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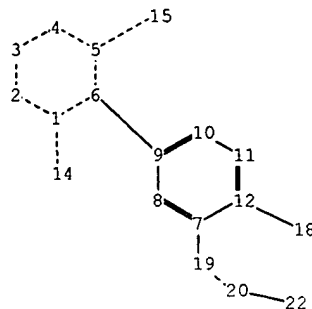
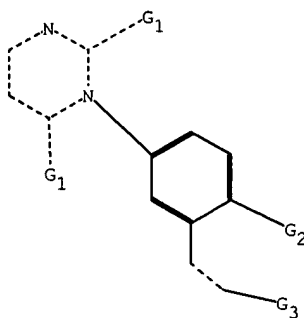
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chain nodes :

14 15 18 19 20 22

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

1-14 5-15 6-9 7-19 12-18 19-20 20-22

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

1-2 1-6 1-14 2-3 3-4 4-5 5-6 5-15 6-9 12-18 19-20 20-22

exact bonds :

7-19

normalized bonds :

7-8 7-12 8-9 9-10 10-11 11-12

G1:O,S

G2:X,CN,CF3,NO2

G3:C,CN

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom  
10:Atom 11:Atom 12:Atom 14:CLASS 15:CLASS 18:CLASS 19:CLASS  
20:CLASS 22:CLASS

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NEWS 2	Sep 29	The Philippines Inventory of Chemicals and Chemical Substances (PICCS) has been added to CHEMLIST
NEWS 3	Oct 27	New Extraction Code PAX now available in Derwent Files
NEWS 4	Oct 27	SET ABBREVIATIONS and SET PLURALS extended in Derwent World Patents Index files
NEWS 5	Oct 27	Patent Assignee Code Dictionary now available in Derwent Patent Files
NEWS 6	Oct 27	Plasdoc Key Serials Dictionary and Echoing added to Derwent Subscriber Files WPIDS and WPIX
NEWS 7	Nov 29	Derwent announces further increase in updates for DWPI
NEWS 8	Dec 5	French Multi-Disciplinary Database PASCAL Now on STN
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NEWS 10	Dec 15	2001 STN Pricing
NEWS 11	Dec 17	Merged CEABA-VTB for chemical engineering and biotechnology
NEWS 12	Dec 17	Corrosion Abstracts on STN
NEWS 13	Dec 17	SYNTHLINE from Prous Science now available on STN
NEWS 14	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS 15	Jan 05	AIDSLINE is being removed from STN
NEWS 16	Feb 06	Engineering Information Encompass files have new names
NEWS 17	Feb 16	TOXLINE no longer being updated
NEWS EXPRESS		FREE UPGRADE 5.0e FOR STN EXPRESS 5.0 WITH DISCOVER! (WINDOWS) NOW AVAILABLE
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
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=> fil reg

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ENTRY

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0.15

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DICTIONARY FILE UPDATES: 26 MAR 2001 HIGHEST RN 329003-62-5

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Uploading c:\stnexp4\queries\09733554.str

L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=> s l1

SAMPLE SEARCH INITIATED 11:15:27 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS  
SEARCH TIME: 00.00.02

3 ANSWERS

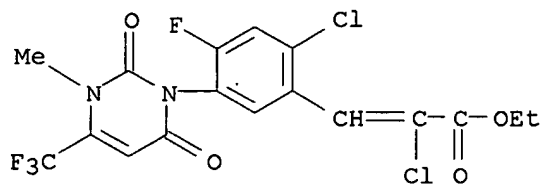
FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 8 TO 329  
PROJECTED ANSWERS: 3 TO 163

L3 3 SEA SSS SAM L1

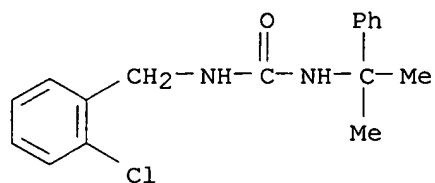
=> d scan

L3 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS  
IN 2-Propenoic acid,  
2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, ethyl ester, mixt.  
with N-[(2-chlorophenyl)methyl]-N'-(1-methyl-1-phenylethyl)urea (9CI)  
MF C17 H19 Cl N2 O . C17 H12 Cl2 F4 N2 O4  
CI MXS

CM 1

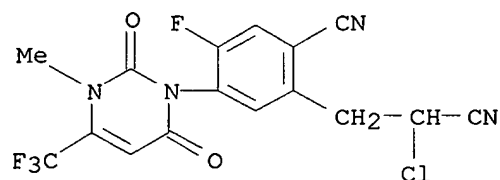


CM 2

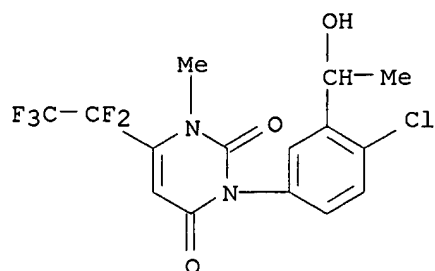


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L3 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS  
 IN Benzenepropanenitrile,  
 .alpha.-chloro-2-cyano-5-[3,6-dihydro-3-methyl-2,6-  
 dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (9CI)  
 MF C16 H9 Cl F4 N4 O2



L3 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS  
 IN 2,4(1H,3H)-Pyrimidinedione,  
 3-[4-chloro-3-(1-hydroxyethyl)phenyl]-1-methyl-  
 6-(pentafluoroethyl)- (9CI)  
 MF C15 H12 Cl F5 N2 O3



ALL ANSWERS HAVE BEEN SCANNED

=> s l1 ful

FULL SEARCH INITIATED 11:16:19 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 226 TO ITERATE

100.0% PROCESSED 226 ITERATIONS  
SEARCH TIME: 00.00.04

159 ANSWERS

L4 159 SEA SSS FUL L1

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading c:\stnexp4\queries\09733554.str

L5 STRUCTURE UPLOADED

=> que L5

L6 QUE L5

=> s 15

SAMPLE SEARCH INITIATED 11:19:19 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS  
SEARCH TIME: 00.00.02

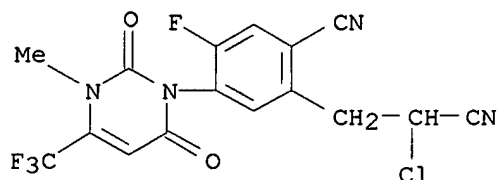
2 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
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PROJECTED ITERATIONS: 2 TO 124  
PROJECTED ANSWERS: 2 TO 124

L7 2 SEA SSS SAM L5

=> d scan

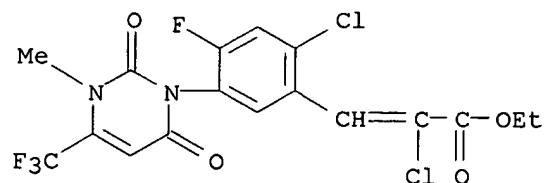
L7 2 ANSWERS REGISTRY COPYRIGHT 2001 ACS  
IN Benzenepropanenitrile,  
.alpha.-chloro-2-cyano-5-[3,6-dihydro-3-methyl-2,6-  
dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (9CI)  
MF C16 H9 Cl F4 N4 O2



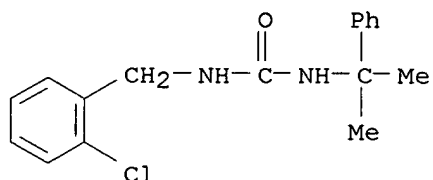
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 2 ANSWERS REGISTRY COPYRIGHT 2001 ACS  
 IN 2-Propenoic acid,  
 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, ethyl ester, mixt.  
 with N-[(2-chlorophenyl)methyl]-N'-(1-methyl-1-phenylethyl)urea (9CI)  
 MF C17 H19 Cl N2 O . C17 H12 Cl2 F4 N2 O4  
 CI MXS

CM 1



CM 2



ALL ANSWERS HAVE BEEN SCANNED

=> s 15 ful sub=14

FULL SUBSET SEARCH INITIATED 11:20:06 FILE 'REGISTRY'  
 FULL SUBSET SCREEN SEARCH COMPLETED - 101 TO ITERATE

100.0% PROCESSED 101 ITERATIONS 101 ANSWERS  
 SEARCH TIME: 00.00.04

L8 101 SEA SUB=L4 SSS FUL L5

=> fil caplus

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	ENTRY	SESSION
FULL ESTIMATED COST	167.54	167.69

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=> s 18

L9 13 L8

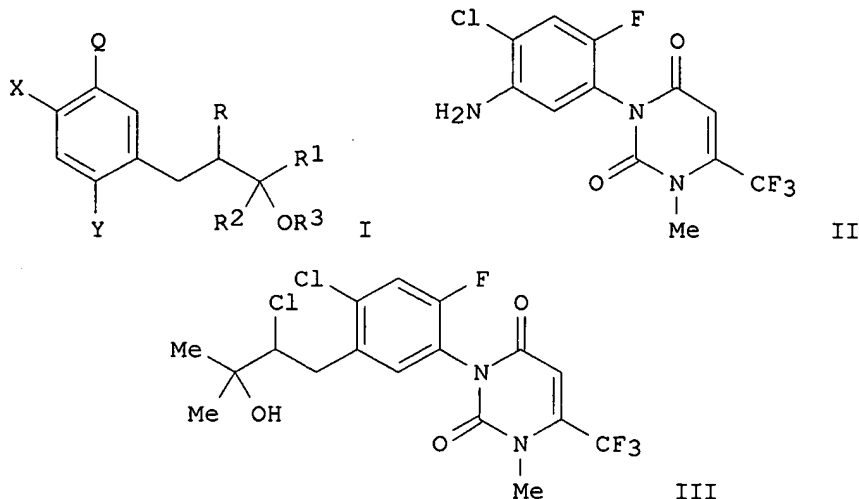
=> d ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM 13 ANSWERS - CONTINUE? Y/(N):y

~~L9~~ ANSWER 1 OF 13 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 2000:784306 CAPLUS  
DOCUMENT NUMBER: 133:350234  
TITLE: Herbicidal [(hydroxyalkyl)phenyl]-substituted heterocycles  
INVENTOR(S): Theodoridis, George; Crawford, Scott D.; Maravetz, Lester L.  
PATENT ASSIGNEE(S): FMC Corp., USA  
SOURCE: Statutory Invent. Regist., 9 pp.  
CODEN: SRXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 1923	H1	20001107	US 1998-113867	19980710
PRIORITY APPLN. INFO.:			US 1997-52368	19970711
OTHER SOURCE(S):	MARPAT 133:350234			
GI				





AB The title heterocycles I [Q = 3-substituted 3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl, 4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl, 4-halo-5-(difluoromethoxy)-1-methyl-1H-pyrazol-3-yl, 3,4,5,6-tetrahydrophthalimido, 5-oxo-4-(3-fluoropropyl)-4,5-dihydro-1H-tetrazol-1-yl, 3-chloro-4,5,6,7-tetrahydro-2H-indazol-2-yl, 5,6,7,8-tetrahydro-3-oxo-1,2,4-triazolo[4,3-a]pyridin-2(3H)-yl, 4,5-dihydro-4-methyl-3,5-dioxo-1,2,4-triazin-2(3H)-yl, (tetrahydro-3-oxo-1H,3H-[1,3,4]-thiadiazolo[3,4-a]pyridazin-1-ylidene)amino; R = H, halo, alkyl, R1 = H, cyano, alkyl; R2 = H, alkyl;

R3 = H, acyl, alkoxycarbonyl, alkylcarbamoyl, cycloalkylcarbamoyl; X = H, halo; Y = halo, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy, NO2] were prepd. and were useful as pre-emergent and post-emergent herbicides. Preferred I are those compds. where Y and R are chloro; R1 and R2 are H

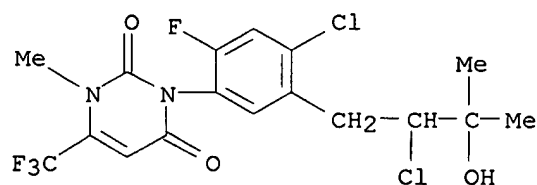
or Me; R3 is H or alkylcarbamoyl; X is F; and Q is a 3-substituted 3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl group. Thus, reaction of 2-methyl-3-buten-2-ol with the (aminophenyl)pyrimidinedione

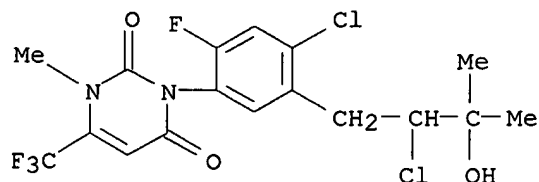
II MeCN contg. CuCl<sub>2</sub> and tert-Bu nitrite gave the [(chlorohydroxyisopentyl)phenyl]pyrimidinedione III which had both preemergence and postemergence herbicidal activity (100% control) against velvet leaf, morning glory, chickweed, and green foxtail at 0.3 Kg/Ha.

IT **305798-56-5P**  
 RL: ARG (Analytical reagent use); RCT (Reactant); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses) (prepn. of herbicidal [(hydroxyalkyl)phenyl] heterocyclic compds. via diazotization/addn. of aminophenyl heterocyclic compds. with alkenols)

RN 305798-56-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-chloro-3-hydroxy-3-methylbutyl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)





IT 305798-58-7P

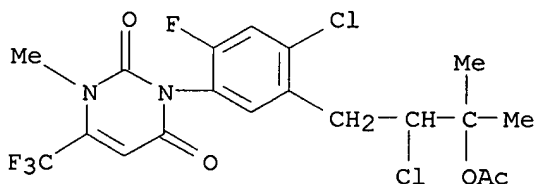
RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)  
(prepn. of herbicidal [(hydroxyalkyl)phenyl] heterocyclic compds. via diazotization/addn. of aminophenyl heterocyclic compds. with alkenols)

RN 305798-58-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione,

3-[5-[3-(acetyloxy)-2-chloro-3-methylbutyl]-4-

chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

8

REFERENCE (S):

- (1) Ager; US 5621112 1997 CAPLUS
- (2) Anon; WO 9002120 1990 CAPLUS
- (3) Anon; WO 9532188 1995 CAPLUS
- (4) Edwards; US 5519022 1996 CAPLUS
- (5) Ishii; US 5116404 1992 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 2 OF 13 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:33546 CAPLUS

DOCUMENT NUMBER: 132:64270

TITLE: Preparation of aryloxyaryluracils as herbicides.

INVENTOR(S): Andree, Roland; Schwarz, Hans-Georg; Drewes, Mark Wilhelm; Feucht, Dieter; Pontzen, Rolf; Wetcholowsky, Ingo

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 34 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

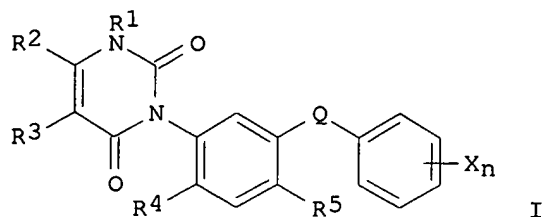
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19853864	A1	20000113	DE 1998-19853864	19981123
WO 2000002866	A1	20000120	WO 1999-EP4585	19990702

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

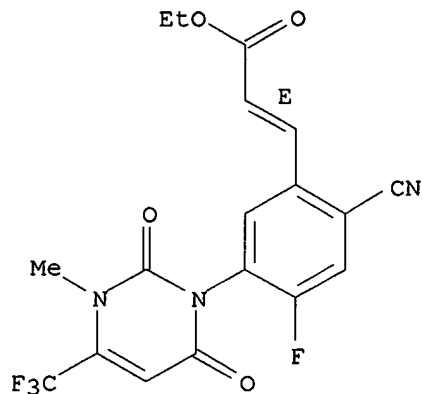
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 AU 9950299 A1 20000201 AU 1999-50299 19990702  
 PRIORITY APPLN. INFO.: DE 1998-19830693 19980709  
 DE 1998-19853864 19981123  
 WO 1999-EP4585 19990702  
 OTHER SOURCE(S): MARPAT 132:64270  
 GI



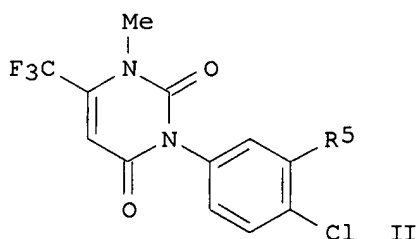
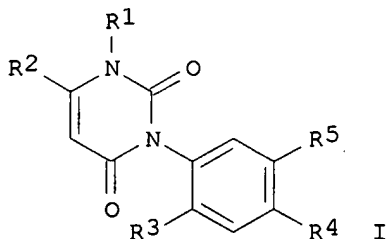
AB Title compds. [I; n = 0-5; Q = O, S, SO, SO<sub>2</sub>, NH, alkylimino; R<sub>1</sub> = H, amino, (substituted) alkyl; R<sub>2</sub> = CO<sub>2</sub>H, cyano, carbamoyl, thiocarbamoyl, (substituted) alkyl, alkoxy, carbonyl; R<sub>3</sub> = H, halo, (substituted) alkyl;  
 R<sub>4</sub> = H, cyano, carbamoyl, thiocarbamoyl, halo; R<sub>5</sub> = cyano, carbamoyl, thiocarbamoyl, halo, (substituted) alkyl, alkoxy; X = OH, SH, amino, NO<sub>2</sub>, cyano, CO<sub>2</sub>H, carbamoyl, thiocarbamoyl, halo, (substituted) alkyl, alkoxy, alkylthio, etc.], were prepd. as herbicides (no data). Thus, 4-methoxyphenol was stirred 30 min. with NaH in Me<sub>2</sub>SO; 4-(3,6-dihydro-2,6-dioxo-4-trifluoromethyl-1(2H)pyrimidin-1-yl)-2,5-difluorobenzonitrile was added followed by 18 h stirring at 60.degree. to give 21%  
 4-(3,6-dihydro-2,6-dioxo-4-trifluoromethyl-1(2H)-pyrimidin-1-yl)-5-fluoro-2-(4-methoxyphenoxy)benzonitrile. Two I were said to show strong herbicidal activity.  
 IT **253435-80-2P**  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of aryloxyaryluracils as herbicides)  
 RN 253435-80-2 CAPLUS  
 CN 2-Propenoic acid, 3-[2-cyano-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, ethyl ester, (2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



19 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1998:204460 CAPLUS  
 DOCUMENT NUMBER: 128:257283  
 TITLE: Process for the production of 3-aryl-uracils  
 INVENTOR(S): Sting, Andrea Rolf  
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.  
 SOURCE: Eur. Pat. Appl., 27 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 831091	A2	19980325	EP 1997-116411	19970919
EP 831091	A3	19980415		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2216323	AA	19980323	CA 1997-2216323	19970919
JP 10120659	A2	19980512	JP 1997-256704	19970922
PRIORITY APPLN. INFO.:			CH 1996-2321	19960923
OTHER SOURCE(S):		MARPAT 128:257283		
GI				



AB Preps. of 3-aryl-uracils such as I [R1 = Me, Et; R2 = CF3, CClF2, CCl2F, C2F5; R3 = H, F, Cl; R4 = H, F, Cl, Br, CN, NO2, Me, CHF2; R5 = H, CN, NO2, OH, halogen, alkoxy, alkylthio, alkenyloxy, carboxy, etc.] were presented which used solvents, such as DMF, DMSO, MeCN, EtCN, AcOEt, THF, dioxane, in the presence of bases, such as tert-BuOK, tert-BuONa, MeONa, EtONa, MeOK, EtOK, NaH, KH, sodium pentylate, potassium pentylate and 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU). Thus, uracil II (R5 = CO2CMe2CO2CH2CH:CH2) was prepd. in 86.3% yield by reaction of Et 3-methylamino-4,4,4-trifluorobut-2-enoate and 5-isoycanato-2-chlorobenzoic

acid 1-allyloxycarbonyl-1-methylethyl ester in the presence of 0.347 g of tert-BuOK in anhyd. DMF. The same reaction using anhyd. MeCN as the solvent gave II in 85% yield.

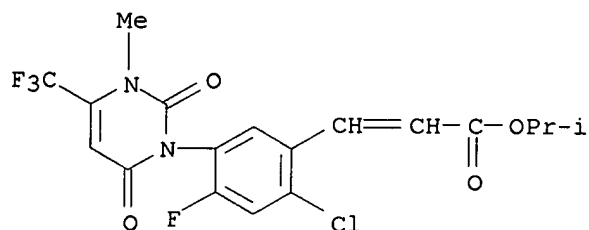
IT 133220-79-8P 205188-73-4P 205188-75-6P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
(process for the prodn. of 3-aryl-uracils)

RN 133220-79-8 CAPLUS

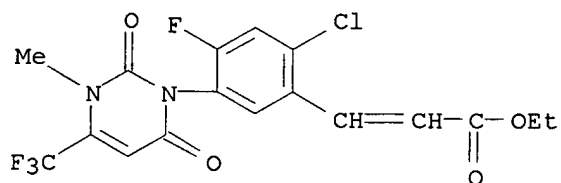
CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, 1-methylethyl ester

(9CI) (CA INDEX NAME)



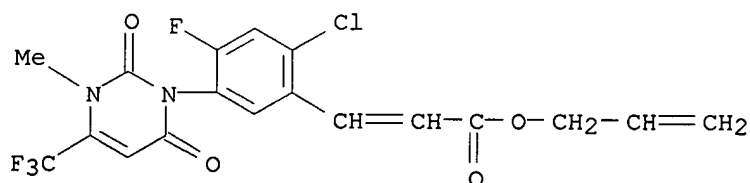
RN 205188-73-4 CAPLUS

CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, ethyl ester (9CI)  
(CA INDEX NAME)



RN 205188-75-6 CAPLUS

CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



L9 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1998:55726 CAPLUS

DOCUMENT NUMBER: 128:128026

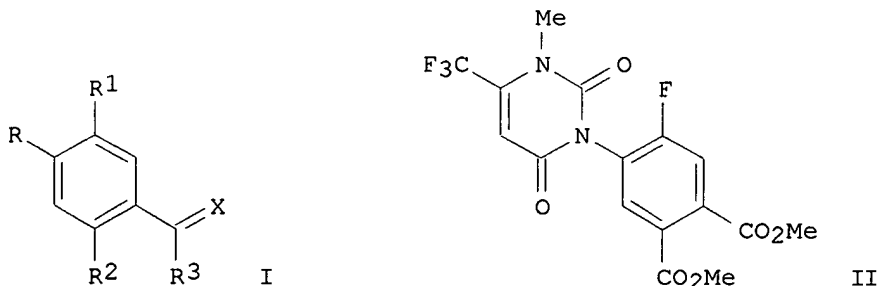
TITLE: Preparation of heterocyclbenzoates and analogs as herbicides

INVENTOR(S): Andree, Roland; Drewes, Mark Wilhelm; Haas, Wilhelm; Lender, Andreas; Linker, Karl-Heinz; Schallner, Otto; Dollinger, Markus

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 26 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19627901	A1	19980115	DE 1996-19627901	19960711
CA 2260201	AA	19980122	CA 1997-2260201	19970701
WO 9802422	A1	19980122	WO 1997-EP3433	19970701
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9734412	A1	19980209	AU 1997-34412	19970701
EP 912527	A1	19990506	EP 1997-930469	19970701
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
CN 1225086	A	19990804	CN 1997-196302	19970701
BR 9710238	A	19990810	BR 1997-10238	19970701
JP 2000514805	T2	20001107	JP 1998-505556	19970701
PRIORITY APPLN. INFO.:				
			DE 1996-19627901	19960711
			WO 1997-EP3433	19970701
OTHER SOURCE(S): MARPAT 128:128026				
GI				



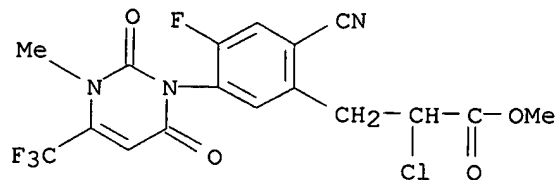
AB Title compds. [I; R = (un)substituted heterocyclyl(amino), etc.; R1 = H or halo; R2 = Z1Z2R4; R3 = H, OH, alkyl, alkoxy, etc.; R4 = H, halo, alkyl, alkoxy, etc.; X = O, S, NH; Z1,Z2 = bond, O, CO, (alkyl)imino, etc.] were prepd. Data for biol. activity of prepd. title compd. II were given.

IT **187329-02-8P 187329-03-9P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. of heterocyclylbenzoates and analogs as herbicides)

RN 187329-02-8 CAPLUS

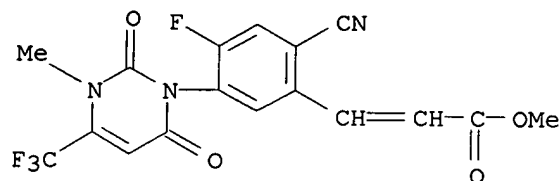
CN Benzenepropanoic acid, .alpha.-chloro-2-cyano-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-, methyl ester (9CI)

(CA INDEX NAME)



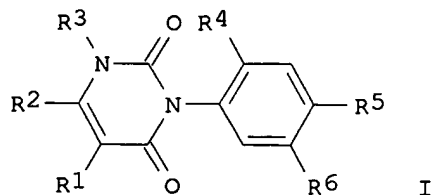
RN 187329-03-9 CAPLUS

CN 2-Propenoic acid, 3-[2-cyano-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, methyl ester (9CI)  
(CA INDEX NAME)



~~189~~ ANSWER 5 OF 13 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1997:805730 CAPLUS  
DOCUMENT NUMBER: 128:48237  
TITLE: Preparation of phenyluracils as herbicides  
INVENTOR(S): Drewes, Mark Wilhelm; Andree, Roland; Dollinger, Markus  
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany; Drewes, Mark Wilhelm; Andree, Roland; Dollinger, Markus  
SOURCE: PCT Int. Appl., 47 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9745418	A1	19971204	WO 1997-EP2488	19970515
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19621311	A1	19971204	DE 1996-19621311	19960528
AU 9729555	A1	19980105	AU 1997-29555	19970515
AU 716994	B2	20000316		
EP 906291	A1	19990407	EP 1997-923907	19970515
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
CN 1220663	A	19990623	CN 1997-195075	19970515
BR 9709466	A	19990810	BR 1997-9466	19970515
JP 2000510855	T2	20000822	JP 1997-541495	19970515
PRIORITY APPLN. INFO.:				
DE 1996-19621311 19960528				
WO 1997-EP2488 19970515				
OTHER SOURCE(S): MARPAT 128:48237				
GI				



AB Title compds. [I; R1 = H, halo, (un)substituted alkyl; R2 = (un)substituted alkyl; R3 = H, NH2, (un)substituted alk(en)yl, -alkynyl; R4 = H, cyano, halo; R5 = cyano or CSNH2; R6 = COR7, CR7:NR8, dialkoxymethyl, etc.; R7 = H or (un)substituted alkyl; R8 = H, OH, alkyl, alkoxy, etc.] were prepd. Thus, I (R1 = H, R2 = CF3, R3 = Me, R4 = F, R5 = cyano) (II; R6 = NH2) was diazotized and the product condensed with CH2:CHCO2Me to give, after ozonation, II (R6 = CHO). Data for biol. activity of I were given.

IT 187329-02-8P 187329-03-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of phenyluracils as herbicides)

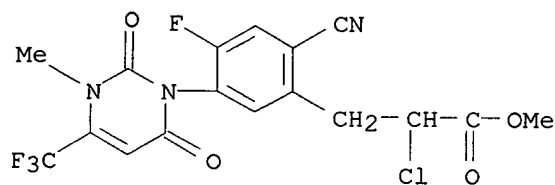
RN 187329-02-8 CAPLUS

CN Benzenepropanoic acid,

.alpha.-chloro-2-cyano-5-[3,6-dihydro-3-methyl-2,6-

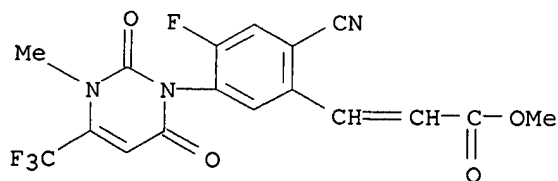
dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-, methyl ester  
(9CI)

(CA INDEX NAME)



RN 187329-03-9 CAPLUS

CN 2-Propenoic acid, 3-[2-cyano-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, methyl ester (9CI)  
(CA INDEX NAME)



L9 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1997:568131 CAPLUS

DOCUMENT NUMBER: 127:248239

TITLE: Herbicidal aromatic phosphonic acid derivatives

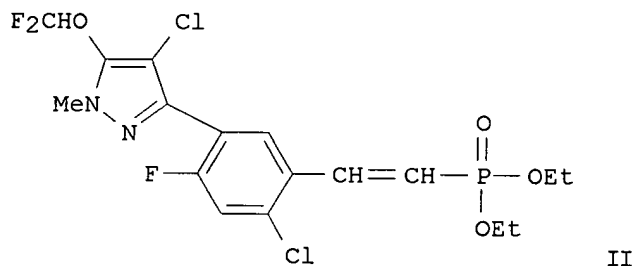
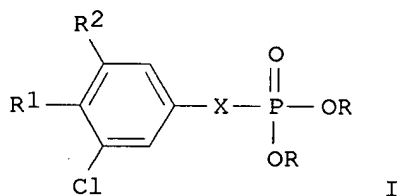
INVENTOR(S): Zagar, Cyrill; Heistracher, Elisabeth; Menke, Olaf;  
Hamprecht, Gerhard; Menges, Markus; Schafer, Peter;  
Westphalen, Karl-Otto; Misslitz, Ulf; Walter, Helmut

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; Zagar, Cyrill;  
Heistracher, Elisabeth; Menke, Olaf; Hamprecht,  
Gerhard; Menges, Markus; Schafer, Peter; Westphalen,



SOURCE: Karl-Otto; Misslitz, Ulf; Walter, Helmut  
PCT Int. Appl., 240 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION: .

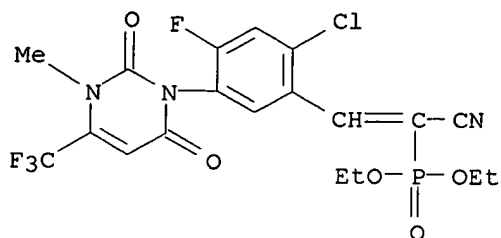
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9730060	A1	19970821	WO 1997-EP733	19970217
W: AU, BG, BR, BY, CA, CN, CZ, GE, HU, IL, JP, KE, KR, KZ, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
ZA 9701253	A	19980814	ZA 1997-1253	19970214
AU 9717258	A1	19970902	AU 1997-17258	19970217
EP 879239	A1	19981125	EP 1997-904454	19970217
R: CH, DE, FR, GB, LI				
JP 2000504708	T2	20000418	JP 1997-529004	19970217
US 6175007	B1	20010116	US 1998-117665	<u>19980804</u>
PRIORITY APPLN. INFO.:			DE 1996-19605765	19960216
			WO 1997-EP733	19970217
OTHER SOURCE(S):			MARPAT 127:248239	
GI				



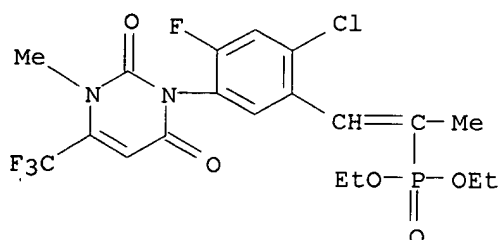
AB Eighty-five title compds. (I, R = H, Me, Et, Pr, i-Pr, Bu, i-Bu, s-Bu, F3CCH2, MeOCH2CH2, allyl, propargyl, MeO2CCH2, Ph; R1 = H, Cl, F; R2 = heterocyclyl; X = CH:CR3, CH2CHR3, R3 = H, Cl, Br, CN, Me, etc.) were prepd. by condensation of methanephosphonates with benzaldehydes or by addn. of anilines to vinylphosphonates. E.g., 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1H-pyrazol-3-yl)-4-fluorobenzaldehyde was treated with tetra-Et methanediphosphonate and NaH in PhMe to give vinylphosphonate II. Compd. II exhibited selective herbicidal activity against velvet leaf, redroot pigweed and black nightshade in a rice culture.

IT **195814-71-2P 195814-72-3P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 195814-71-2 CAPLUS  
 CN Phosphonic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-1-cyanoethenyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 195814-72-3 CAPLUS  
 CN Phosphonic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-1-methylethenyl]-, diethyl ester (9CI) (CA INDEX NAME)



ANSWER 7 OF 13 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1997:184658 CAPLUS

DOCUMENT NUMBER: 126:186101

TITLE: Preparation of substituted phenyluracils as herbicides.

INVENTOR(S): Andree, Roland; Drewes, Mark Wilhelm; Dollinger, Markus; Santel, Hans-Joachim

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 24 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

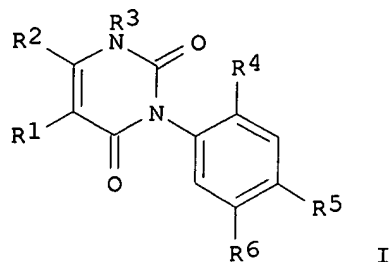
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19528186	A1	19970206	DE 1995-19528186	19950801
WO 9705118	A1	19970213	WO 1996-EP3223	19960722
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2228255	AA	19970213	CA 1996-2228255	19960722
AU 9666586	A1	19970226	AU 1996-66586	19960722
EP 843667	A1	19980527	EP 1996-926381	19960722
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1197455	A	19981028	CN 1996-197117	19960722
JP 11510796	T2	19990921	JP 1996-507208	19960722

OTHER SOURCE(S):

MARPAT 126:186101

GI



AB Title compds. [I; R1 = H, halo, (substituted) alkyl; R2 = (substituted) alkyl; R3 = H, amino, (substituted) alkyl, alkenyl, alkynyl; R4 = H, cyano, halo; R5 = cyano, thiocarbamoyl; R6 = (CR7R8)2R9, CR7:CR8R9; R7,

R8

= H, OH, SH, halo, (substituted) alkyl, alkoxy, alkylthio; R9 = cyano, CO2R10, CONR11R12; R10, R12 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heterocyclyl, heterocyclylalkyl; R11 = H, (substituted) alkoxy, alkenyl, alkynyl;

R11R12

= alkylene], were prepd. Thus, 1-(5-amino-4-cyano-2-fluorophenyl)-3,6-dihydro-2,6-dioxo-3-methyl-4-trifluoromethyl-1(2H)-pyrimidine in MeCN was added dropwise to a 0.degree. mixt. of Me acrylate, tert-Bu nitrite, and CuCl2 in MeCN and the mixt. was stirred 18 h at room temp. to give 55%

1-[4-cyano-2-fluoro-5-(2-chloro-2-methoxycarbonylethyl)phenyl]-3,6-dihydro-2,6-dioxo-3-methyl-4-trifluoromethyl-1(2H)-pyrimidine. The latter at 125 g/ha postemergent gave 100% control of Abutilon, Amaranthus, Galium, Xanthium, and Setaria.

IT 187329-02-8P 187329-03-9P 187329-04-0P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of substituted phenyluracils as herbicides)

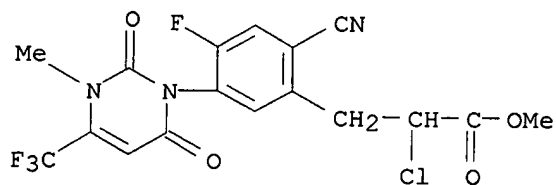
RN 187329-02-8 CAPLUS

CN Benzenepropanoic acid,

.alpha.-chloro-2-cyano-5-[3,6-dihydro-3-methyl-2,6-

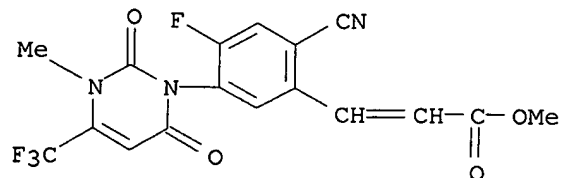
dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-, methyl ester (9CI)

(CA INDEX NAME)

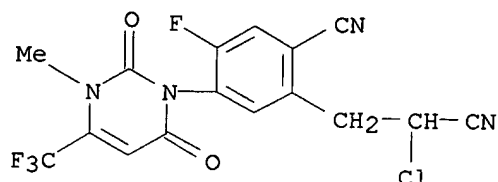


RN 187329-03-9 CAPLUS

CN 2-Propenoic acid, 3-[2-cyano-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, methyl ester (9CI)  
(CA INDEX NAME)



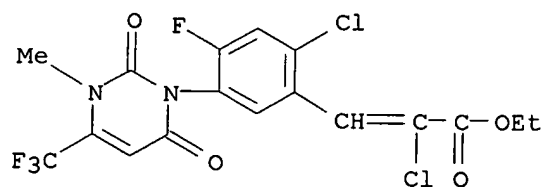
RN 187329-04-0 CAPLUS  
 CN Benzenepropanenitrile,  
 .alpha.-chloro-2-cyano-5-[3,6-dihydro-3-methyl-2,6-  
 dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (9CI) (CA INDEX  
 NAME)



L9 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1996:567364 CAPLUS  
 DOCUMENT NUMBER: 125:188349  
 TITLE: Safened herbicidal compositions  
 INVENTOR(S): Klintz, Ralf; Schaefer, Peter; Bussche-Huennefeld,  
 Elisabeth;  
 Bratz, Matthias; Rademacher, Wilhelm; Walter, Helmut  
 PATENT ASSIGNEE(S): BASF A.-G., Germany  
 SOURCE: Ger. Offen., 10 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19506202	A1	19960829	DE 1995-19506202	19950223

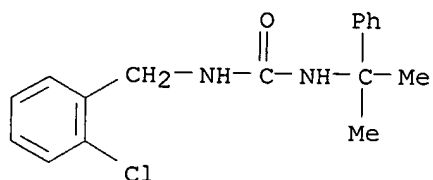
OTHER SOURCE(S): MARPAT 125:188349  
 AB The title compns. comprise a known 3-phenyluracil deriv. herbicide  
 (Markush given), 3-(2-chlorophenylmethyl)-1-(1-methyl-1-phenylethyl)urea  
 and/or 1-(1-methyl-1-phenylethyl)-3-(4-tolyl)urea safener, liq. and/or  
 solid carrier(s) and optional adjuvant(s).  
 IT **181046-25-3**  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (safened herbicidal compn.)  
 RN 181046-25-3 CAPLUS  
 CN 2-Propenoic acid,  
 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, ethyl ester, mixt.  
 with N-[(2-chlorophenyl)methyl]-N'-(1-methyl-1-phenylethyl)urea (9CI)  
 (CA INDEX NAME)  
 CM 1  
 CRN 181046-24-2



CM 2

CRN 99485-76-4

CMF C17 H19 Cl N2 O



L9 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1996:211776 CAPLUS

DOCUMENT NUMBER: 124:261065

TITLE: Preparation of 3-(dioxopyrimido)cinnamate oximes, -cinnamamides, and analogs as herbicides and plant desiccants and defoliants

INVENTOR(S): Klinzt, Ralf; Hamprecht, Gerhard; Heistracher, Elisabeth; Schaefer, Peter; Bussche-Hueneefeld, Christoph; Muenster, Peter; Kirstgen, Reinhard; Harreus, Albrecht; Westphalen, Karl-Otto; et al.

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: Ger. Offen., 27 pp.

CODEN: GWXXBX

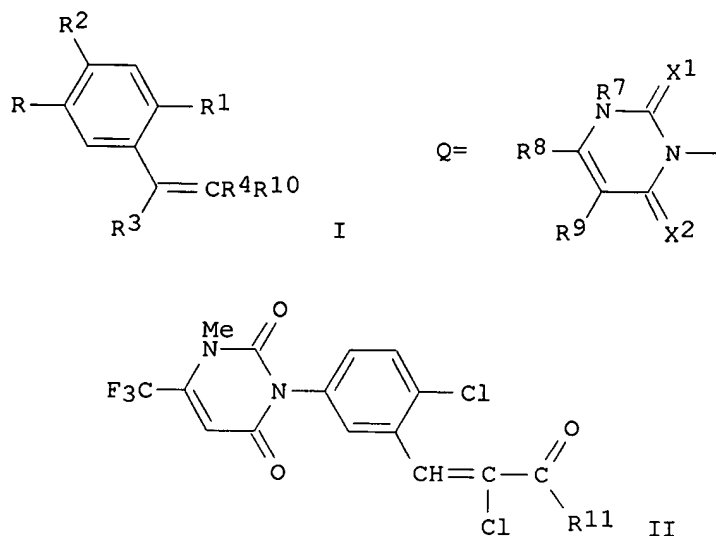
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4424791	A1	19960118	DE 1994-4424791	19940714
WO 9602518	A1	19960201	WO 1995-EP2584	19950704
W: AU, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, MX, NO, NZ, PL, RU, SG, SK, UA, US, UZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2195021	AA	19960201	CA 1995-2195021	19950704
AU 9529268	A1	19960216	AU 1995-29268	19950704
EP 770067	A1	19970502	EP 1995-924968	19950704
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1156452	A	19970806	CN 1995-194770	19950704
HU 76487	A2	19970929	HU 1997-99	19950704
BR 9508410	A	19971223	BR 1995-8410	19950704
JP 10502651	T2	19980310	JP 1995-504638	19950704
US 6013606	A	20000111	US 1997-765180	19970630
PRIORITY APPLN. INFO.:			DE 1994-4424791	19940714



AB Title compds. [I; R = 3,4,5,6-tetrahydrophthalimido (a) or  
di(thi)oxotetrahydropyrimido group Q (b); R1 = halo, NO2, cyano, CF3; R2  
= H or halo; R3 = H, halo, (halo)alkyl, etc.; R4 = H, halo, (halo)alkyl,  
cyano; R3R4 = bond; R7 = H, NH2, (halo)alkyl; R8,R9 = H, (halo)alkyl, Ph,  
etc.; R10 = C(YR5):NOR6 and R = a or b; R10 = C(:Y1)NR51OR6 and R = b; R5  
= (halo)alkyl, phenyl(alkyl) etc.; R6 = H, (halo)alkyl, phenylalkyl,  
etc.; R51 = H, (halo)alkyl, etc.; X1,X2,Y1 = O or S; Y = bond, O, S, O2C, etc.]  
were prepd. as herbicides and plant desiccants and defoliants (no data).  
Thus, cinnamic acid II (R11 = OH) was amidated by EtONH2 to give II (R11  
= NHOEt).

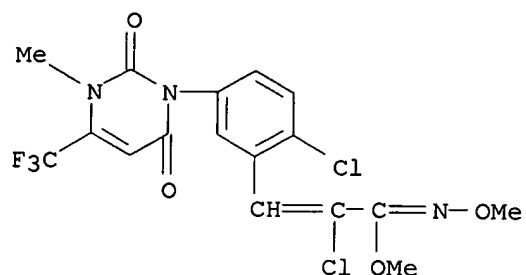
IT 175156-25-9P 175156-26-0P 175156-27-1P  
175156-28-2P 175156-29-3P 175156-30-6P  
175156-31-7P 175156-32-8P 175156-33-9P  
175156-34-0P 175156-35-1P 175156-36-2P  
175156-37-3P 175156-38-4P 175156-39-5P  
175156-40-8P 175156-41-9P 175156-42-0P  
175156-43-1P 175156-44-2P 175156-45-3P  
175156-46-4P 175156-47-5P 175156-48-6P  
175156-49-7P 175156-50-0P 175156-51-1P  
175156-52-2P 175156-53-3P 175156-54-4P  
175156-55-5P 175156-56-6P 175156-57-7P  
175156-58-8P 175156-59-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except  
adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP  
(Preparation); USES (Uses)

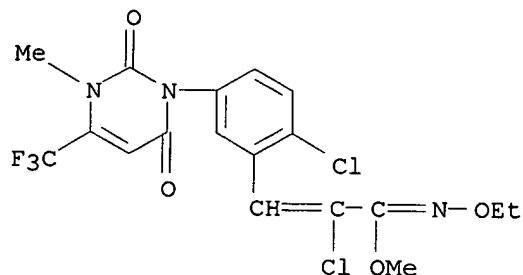
(prepn. of 3-(dioxypyrimido)cinnamate oximes, -cinnamamides, and  
analogs as herbicides and plant desiccants and defoliants)

RN 175156-25-9 CAPLUS

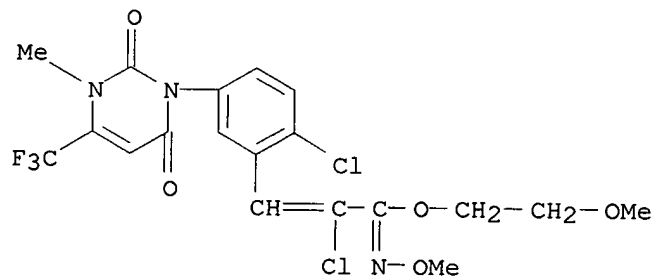
CN 2-Propenimidic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-  
dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-, methyl  
ester (9CI) (CA INDEX NAME)



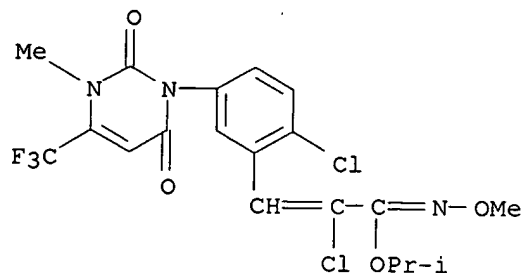
RN 175156-26-0 CAPLUS  
 CN 2-Propenimidic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-, methyl ester (9CI) (CA INDEX NAME)



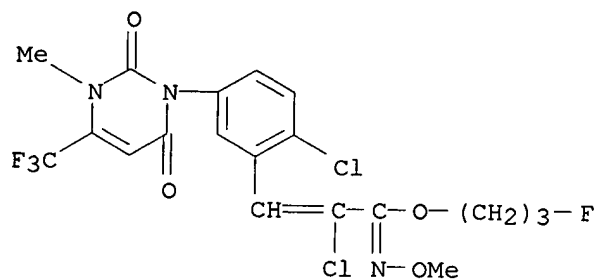
RN 175156-27-1 CAPLUS  
 CN 2-Propenimidic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



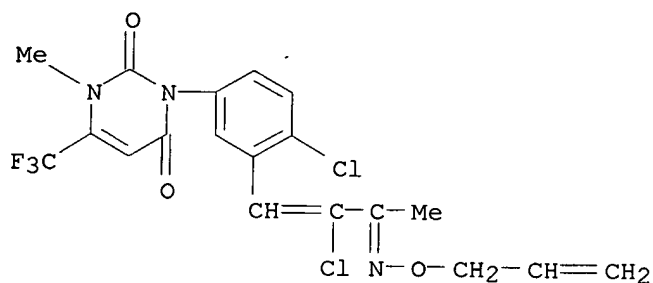
RN 175156-28-2 CAPLUS  
 CN 2-Propenimidic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-, 1-methylethyl ester (9CI) (CA INDEX NAME)



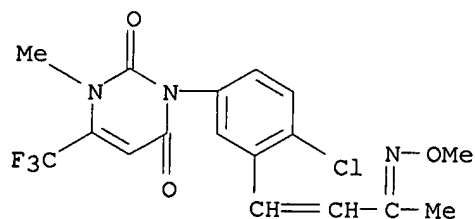
RN 175156-29-3 CAPLUS  
 CN 2-Propenimidic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidin-5-yl]phenyl]-N-methoxy-, 3-fluoropropyl ester (9CI) (CA INDEX NAME)



RN 175156-30-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-chloro-3-[(2-propenyloxy)imino]-1-butenyl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



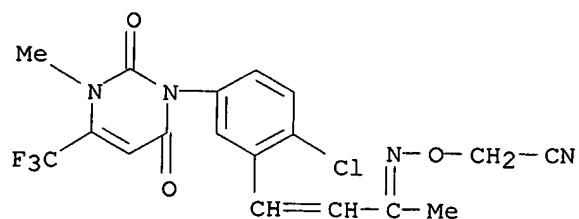
RN 175156-31-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[3-(methoxyimino)-1-butenyl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 175156-32-8 CAPLUS

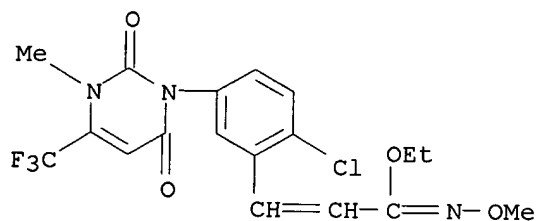


CN Acetonitrile, [[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-1-methyl-2-propenylidene]amino]oxy]- (9CI) (CA INDEX NAME)



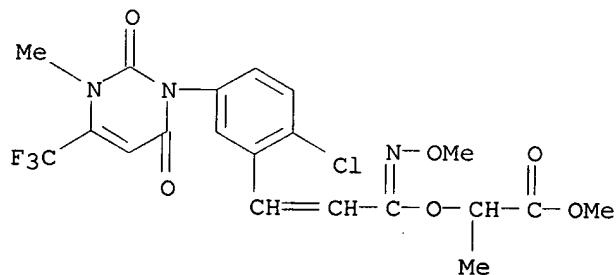
RN 175156-33-9 CAPLUS

CN 2-Propenimidic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-, ethyl ester (9CI) (CA INDEX NAME)



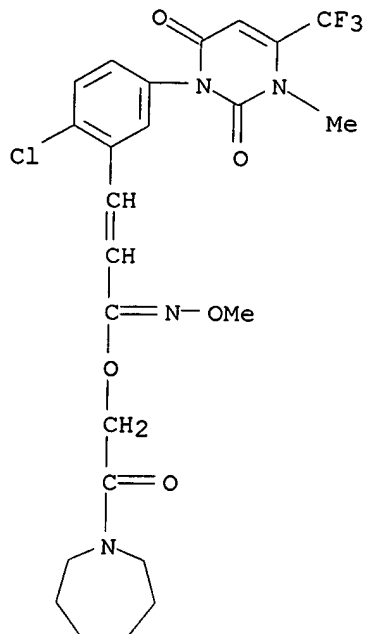
RN 175156-34-0 CAPLUS

CN Propanoic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-1-(methoxyimino)-2-propenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 175156-35-1 CAPLUS

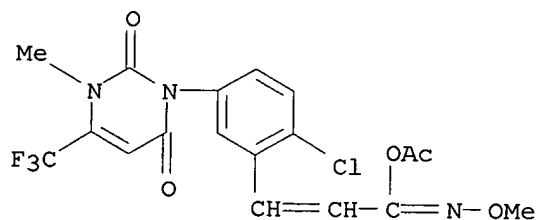
CN 2-Propenimidic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-, 2-(hexahydro-1H-azepin-1-yl)-2-oxoethyl ester (9CI) (CA INDEX NAME)



RN 175156-36-2 CAPLUS

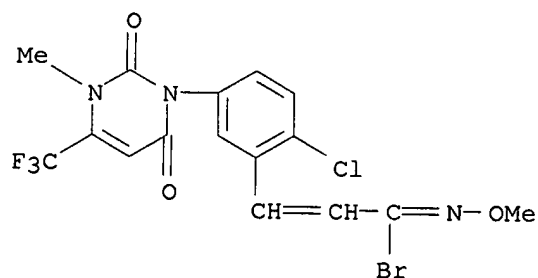
CN Acetic acid, anhydride with

3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-2-propenimidic acid (9CI) (CA INDEX NAME)



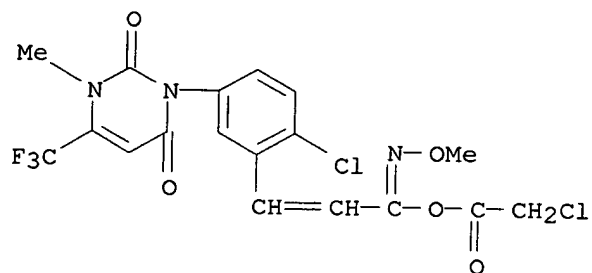
RN 175156-37-3 CAPLUS

CN 2-Propenimidoyl bromide, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy- (9CI) (CA INDEX NAME)



RN 175156-38-4 CAPLUS

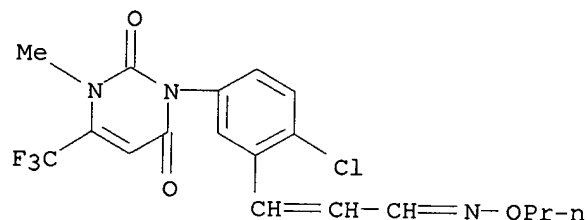
CN Acetic acid, chloro-, anhydride with 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-2-propenimidic acid (9CI) (CA INDEX NAME)



RN 175156-39-5 CAPLUS

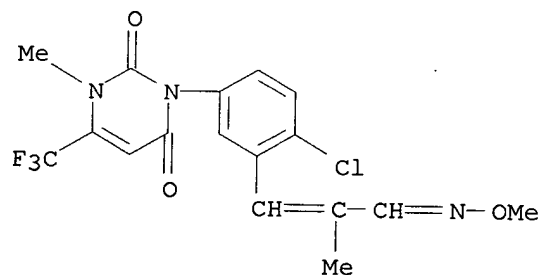
CN 2-Propenal, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, 1-(O-propyloxime) (9CI)

(CA INDEX NAME)



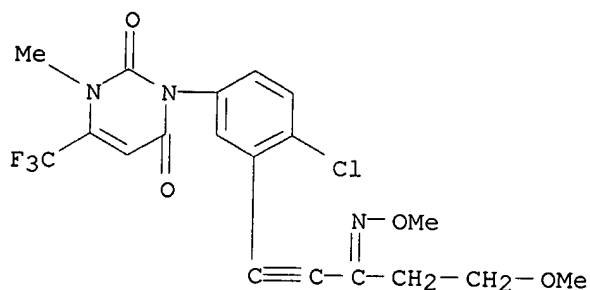
RN 175156-40-8 CAPLUS

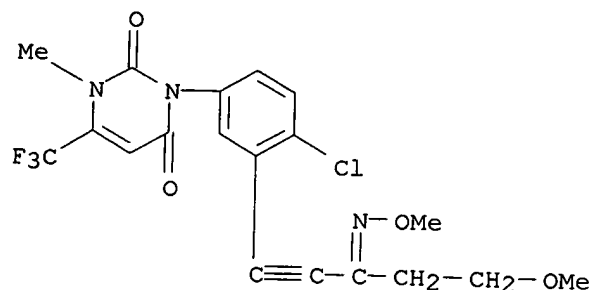
CN 2-Propenal, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-2-methyl-, 1-(O-methyloxime) (9CI) (CA INDEX NAME)



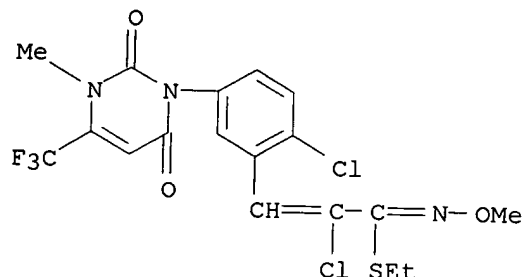
RN 175156-41-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[5-methoxy-3-(methoxyimino)-1-pentynyl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

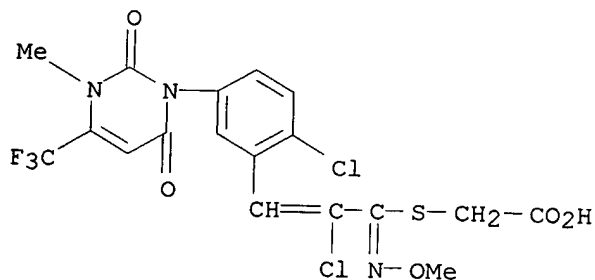




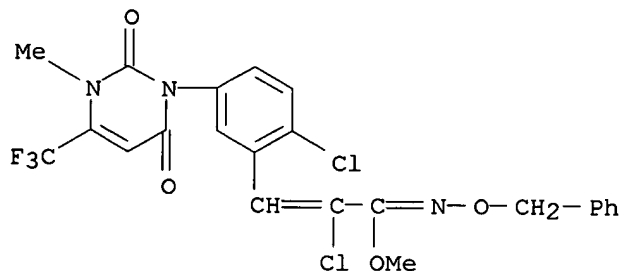
RN 175156-42-0 CAPLUS  
 CN 2-Propenimidothioic acid,  
 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-  
 dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-, ethyl  
 ester (9CI) (CA INDEX NAME)



RN 175156-43-1 CAPLUS  
 CN Acetic acid, [[2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-1-(methoxyimino)-2-  
 propenyl]thio]- (9CI) (CA INDEX NAME)

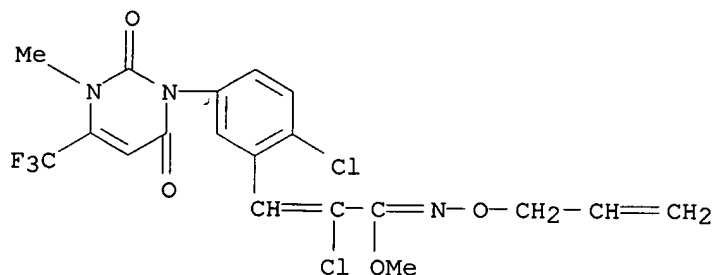


RN 175156-44-2 CAPLUS  
 CN 2-Propenimidic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-  
 dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-(phenylmethoxy)-,  
 methyl ester (9CI) (CA INDEX NAME)



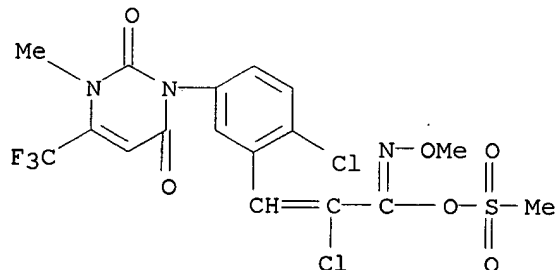
RN 175156-45-3 CAPLUS

CN 2-Propenimidic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-(2-propenyloxy)-, methyl ester (9CI) (CA INDEX NAME)



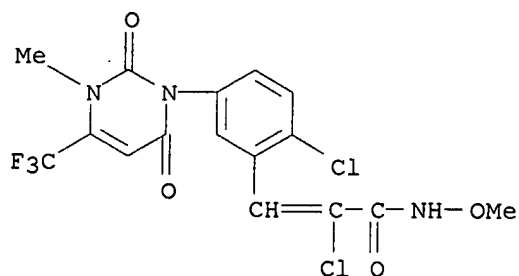
RN 175156-46-4 CAPLUS

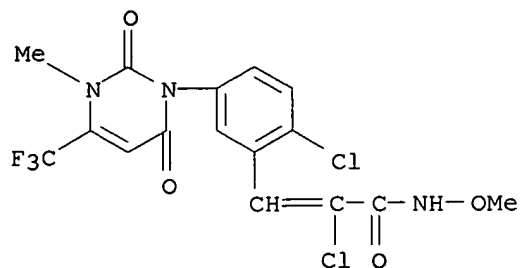
CN 2-Propenimidic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-, anhydride with methanesulfonic acid (9CI) (CA INDEX NAME)



RN 175156-47-5 CAPLUS

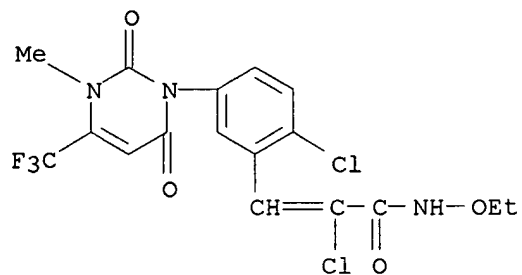
CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy- (9CI) (CA INDEX NAME)





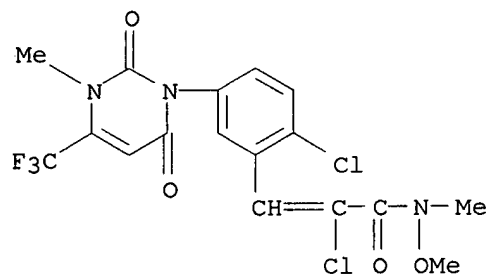
RN 175156-48-6 CAPLUS

CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-ethoxy- (9CI) (CA INDEX NAME)



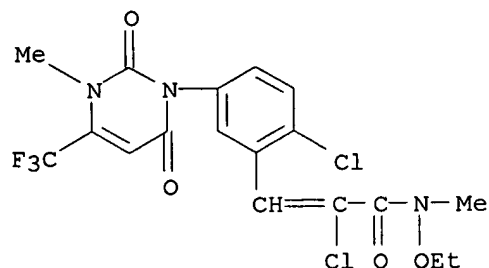
RN 175156-49-7 CAPLUS

CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy-N-methyl- (9CI) (CA INDEX NAME)



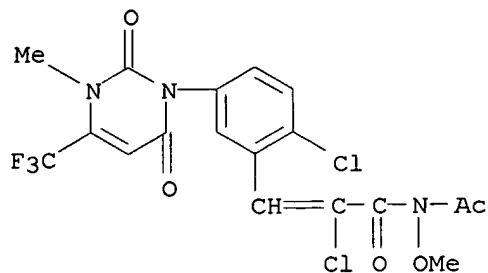
RN 175156-50-0 CAPLUS

CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-ethoxy-N-methyl- (9CI) (CA INDEX NAME)



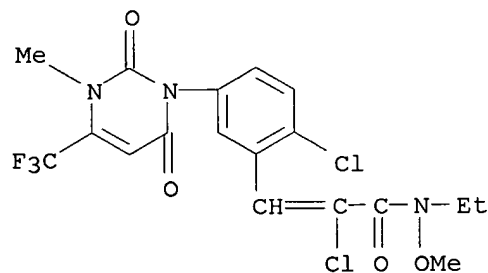
RN 175156-51-1 CAPLUS

CN 2-Propenamide, N-acetyl-2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methoxy- (9CI) (CA INDEX NAME)



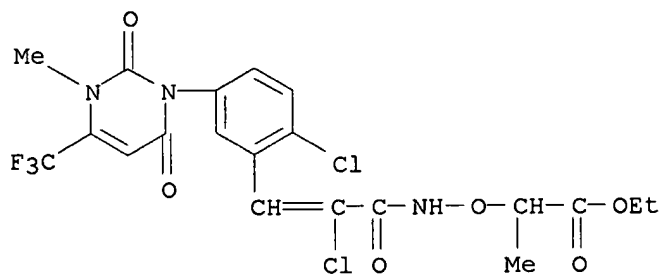
RN 175156-52-2 CAPLUS

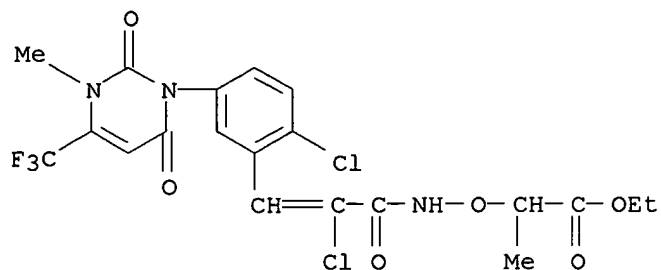
CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-ethyl-N-methoxy- (9CI) (CA INDEX NAME)



RN 175156-53-3 CAPLUS

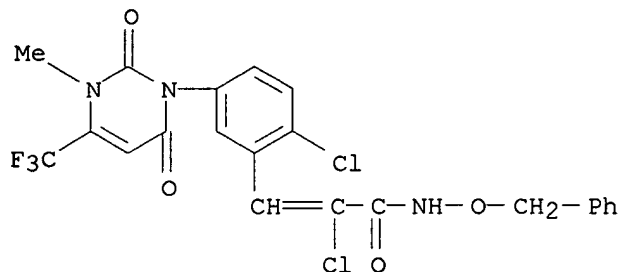
CN Propanoic acid, 2-[[[2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-1-oxo-2-propenyl]amino]oxy]-, ethyl ester (9CI) (CA INDEX NAME)





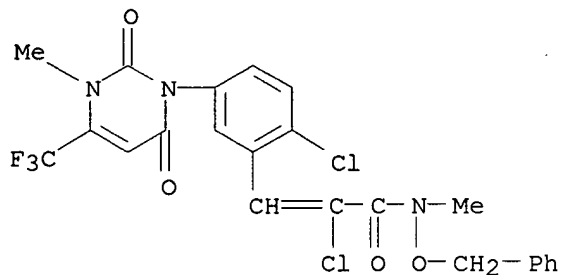
RN 175156-54-4 CAPLUS

CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-(phenylmethoxy)- (9CI) (CA INDEX NAME)



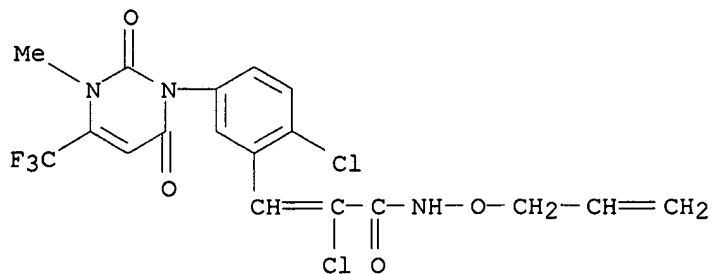
RN 175156-55-5 CAPLUS

CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methyl-N-(phenylmethoxy)- (9CI) (CA INDEX NAME)

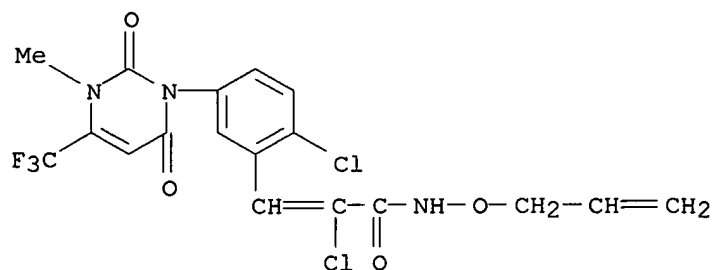


RN 175156-56-6 CAPLUS

CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

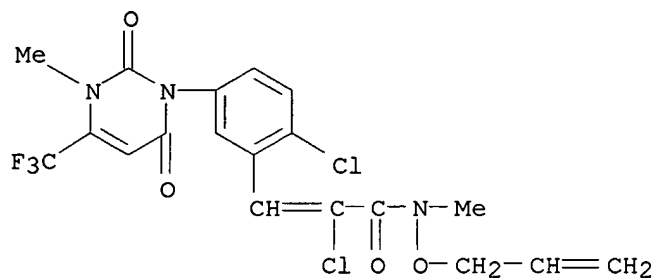






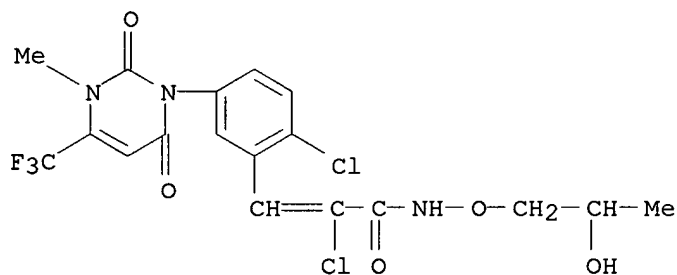
RN 175156-57-7 CAPLUS

CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-methyl-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)



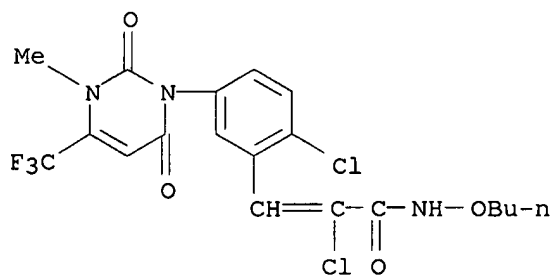
RN 175156-58-8 CAPLUS

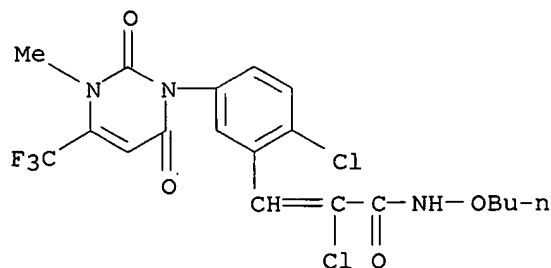
CN 2-Propenamide, 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N-(2-hydroxypropoxy)- (9CI) (CA INDEX NAME)



RN 175156-59-9 CAPLUS

CN 2-Propenamide, N-butoxy-2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]- (9CI) (CA INDEX NAME)





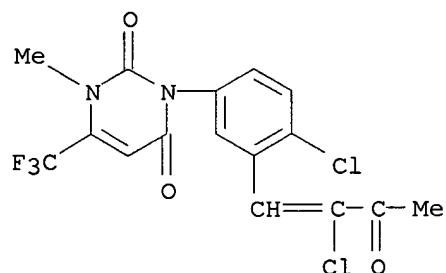
IT 175156-72-6

RL: RCT (Reactant)

(prepn. of 3-(dioxypyrimido)cinnamate oximes, -cinnamamides, and analogs as herbicides and plant desiccants and defoliants)

RN 175156-72-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-chloro-3-oxo-1-butenyl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L9 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1993:580808 CAPLUS

DOCUMENT NUMBER: 119:180808

TITLE: Preparation of 3-aryluracil derivatives as herbicides

INVENTOR(S): Wenger, Jean; Winternitz, Paul; Zeller, Jean

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.

SOURCE: Ger. Offen., 33 pp.

CODEN: GWXXBX

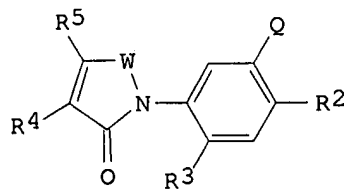
DOCUMENT TYPE: Patent

LANGUAGE: German

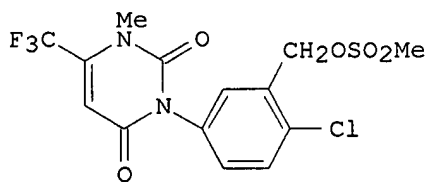
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4237920	A1	19930519	DE 1992-4237920	19921110
PRIORITY APPLN. INFO.:			CH 1991-3303	19911113
OTHER SOURCE(S):	MARPAT 119:180808			
GI				



I



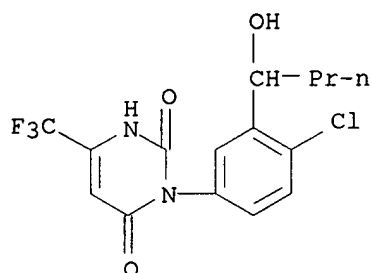
II

AB Title compds. [I; W = NR1CO, N:COR1; R1 = H, (halo)alkyl alkenyl, alkynyl;  
 R2 = H, cyano; R3 = H, halo; R4 = H, halo, alkyl; R5 = (halo)alkyl; R4R5 =  
 (CH2)n, n = 3, 4; R11 = alkyl, alkenyl, alkynyl; Q = CR6R7R8; R6, R7 = H, (cyclo)alkyl, cycloalkylalkyl; R8 = halo, X1R9; X1 = O, S, SO, SO2, OSO2; SSO2; R9 = H, alkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, haloalkyl, alkenyl, alkynyl, (substituted) aryl, PhCH2, etc.], were prepd. Thus, 2-chloro-5-[3,6-dihydro-2,6-dioxo-3-methyl-4-trifluoromethyl-1(2H)-pyrimidinyl]benzyl alc. (prepn. given) was stirred with MeSO2Cl and Et3N in THF at 0-10.degree. to give title compd. II. II at 0.3 kg/ha gave 100% control of Chenopodium, Amaranthus, Stelloria, Sinapsis, and Galium.

IT 150294-99-8P 150295-05-9P 150295-09-3P  
 150295-16-2P 150295-17-3P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of, as herbicide)

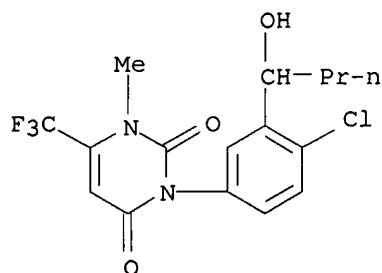
RN 150294-99-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-hydroxybutyl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



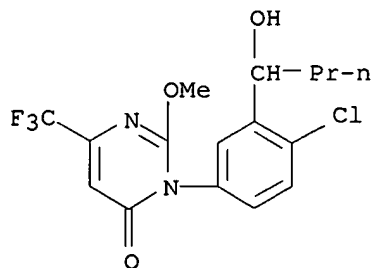
RN 150295-05-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione,  
 3-[4-chloro-3-(1-hydroxybutyl)phenyl]-1-methyl-  
 6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



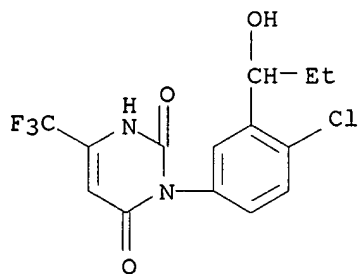
RN 150295-09-3 CAPLUS

CN 4(3H)-Pyrimidinone, 3-[4-chloro-3-(1-hydroxybutyl)phenyl]-2-methoxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



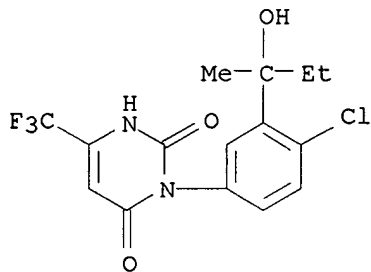
RN 150295-16-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-hydroxypropyl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 150295-17-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-hydroxy-1-methylpropyl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L9 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1993:560313 CAPLUS

DOCUMENT NUMBER: 119:160313

TITLE: Preparation of 3-arylracils as herbicides

INVENTOR(S): Wenger, Jean; Winternitz, Paul; Zeller, Martin

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.

SOURCE: Eur. Pat. Appl., 59 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

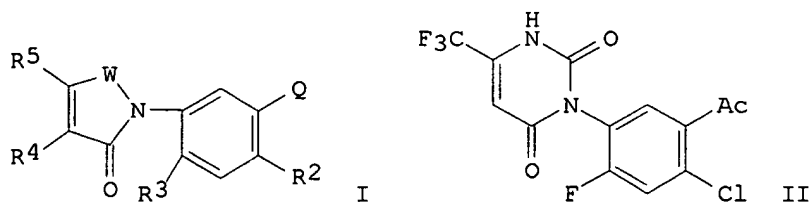
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 542685	A1	19930519	EP 1992-810853	19921104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				

US 5336663	A	19940809	US 1992-971445	19921104
JP 05294920	A2	19931109	JP 1992-328756	19921113
PRIORITY APPLN. INFO.:			CH 1991-3302	19911113
OTHER SOURCE(S):		MARPAT 119:160313		
GI				



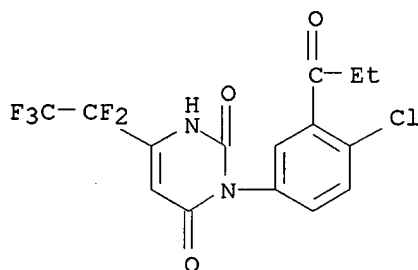
AB Title compds. [I; w = NR1Co, N:COR13; R1 = H, (halo)alkyl, alkenyl, alkynyl; R2 = halo, cyano, R3 = H, halo; R4 = H, halo, alkyl; R5 = (halo)alkyl; R4R5 = (CH2)n; n = 3,4; R13 = alkyl, alkenyl, alkynyl; Q = COR6, CR6:NOR7, (R6:NNR8R9, etc.; R6 = H, (cyclo)alkyl, cycloalkylalkyl; R7 V H, (cyclo)alkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2], were prepd. Thus, Et 3-amino-4,4,4-trifluorocrotonate was stirred with NaH in DMF at -10.degree.; the mixt. was cooled to -40.degree. and treated with 3-acetyl-4-chloro-6-fluorophenylisocyanate (prepn. given) to give title compd. II. Several I at 1 kg/ha postemergent gave complete control of chenopodium, Sinapsis, and Galium.

IT **149915-19-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 149915-19-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-oxopropyl)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

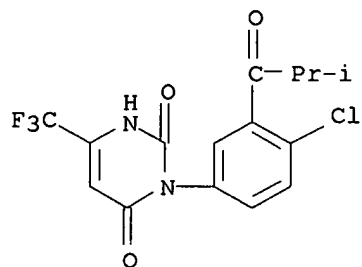


IT 149913-98-4P 149913-99-5P 149914-00-1P  
149914-01-2P 149914-06-7P 149914-07-8P  
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149914-15-8P 149914-16-9P 149914-17-0P  
149914-24-9P 149914-25-0P 149914-26-1P  
149914-27-2P 149914-30-7P 149914-31-8P  
149914-32-9P 149914-33-0P 149914-34-1P  
149914-39-6P 149914-40-9P 149914-41-0P  
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149914-56-7P 149914-57-8P 149914-58-9P  
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149914-64-7P 149914-75-0P 149914-78-3P

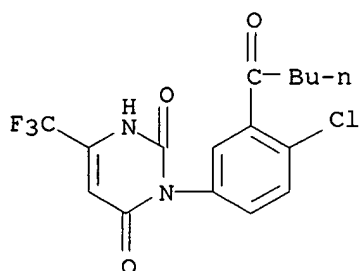
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of, as herbicide)

RN 149913-98-4 CAPLUS

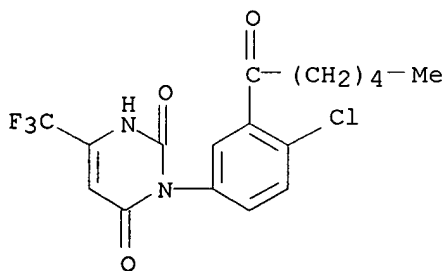
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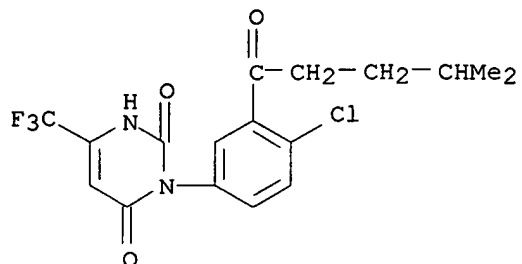
RN 149913-99-5 CAPLUS  
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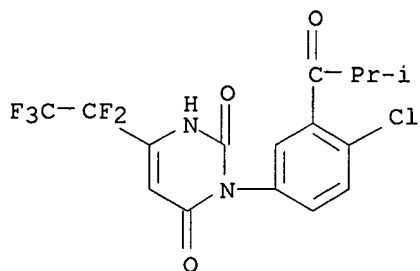
RN 149914-00-1 CAPLUS  
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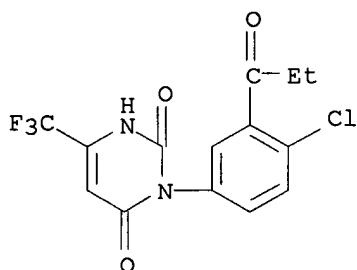
RN 149914-01-2 CAPLUS  
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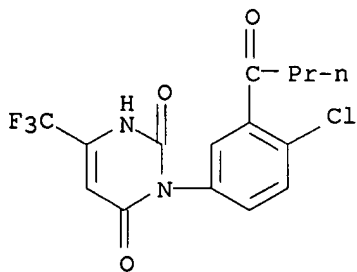
RN 149914-06-7 CAPLUS  
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 (pentafluoroethyl)- (9CI) (CA INDEX NAME)



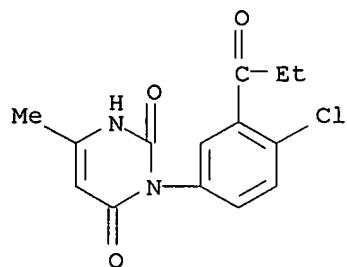
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 (trifluoromethyl)- (9CI) (CA INDEX NAME)



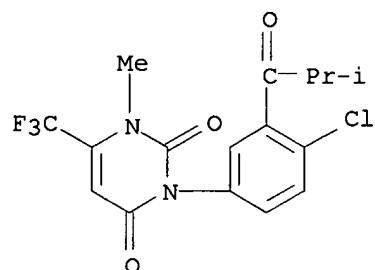
RN 149914-08-9 CAPLUS  
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 (trifluoromethyl)- (9CI) (CA INDEX NAME)



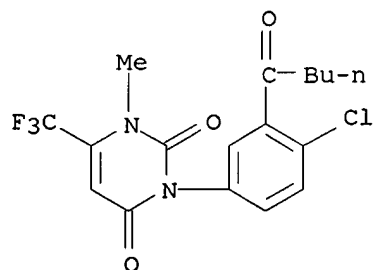
RN 149914-12-5 CAPLUS  
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 (9CI) (CA INDEX NAME)



RN 149914-14-7 CAPLUS  
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 3-[4-chloro-3-(2-methyl-1-oxopropyl)phenyl]-1-  
 methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

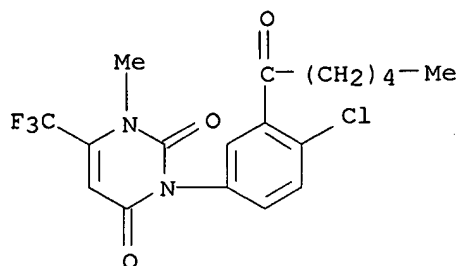


RN 149914-15-8 CAPLUS  
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 3-[4-chloro-3-(1-oxopentyl)phenyl]-1-methyl-6-  
 (trifluoromethyl)- (9CI) (CA INDEX NAME)

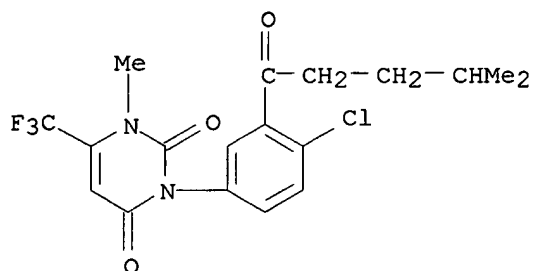


RN 149914-16-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-oxohexyl)phenyl]-1-methyl-6-  
 (trifluoromethyl)- (9CI) (CA INDEX NAME)

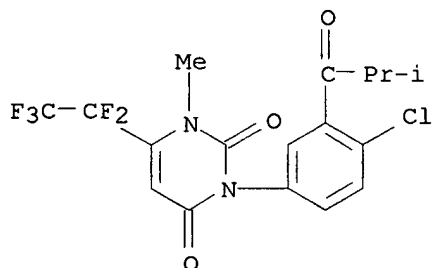




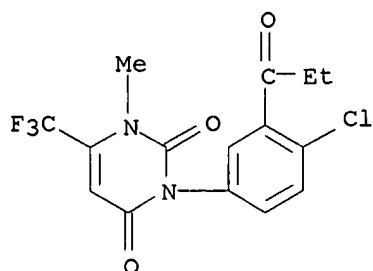
RN 149914-17-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione,  
 3-[4-chloro-3-(4-methyl-1-oxopentyl)phenyl]-1-  
 methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

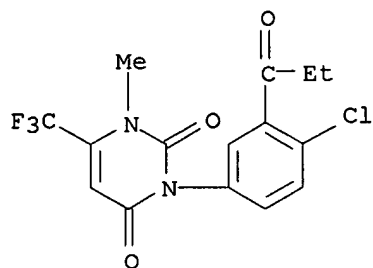


RN 149914-24-9 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione,  
 3-[4-chloro-3-(2-methyl-1-oxopropyl)phenyl]-1-  
 methyl-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

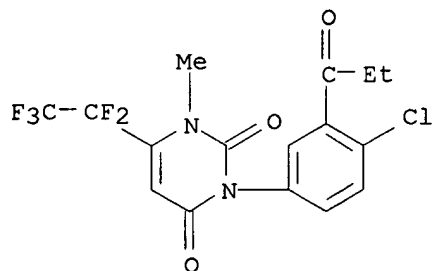


RN 149914-25-0 CAPLUS  
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 (trifluoromethyl)- (9CI) (CA INDEX NAME)

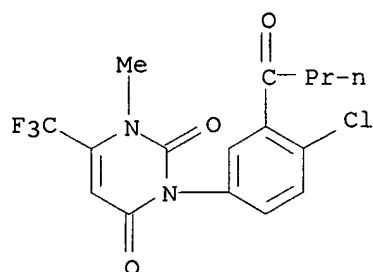




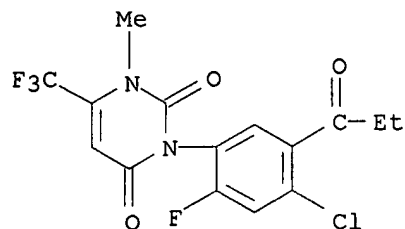
RN 149914-26-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione,  
 3-[4-chloro-3-(1-oxopropyl)phenyl]-1-methyl-6-  
 (pentafluoroethyl)- (9CI) (CA INDEX NAME)



RN 149914-27-2 CAPLUS  
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 (trifluoromethyl)- (9CI) (CA INDEX NAME)

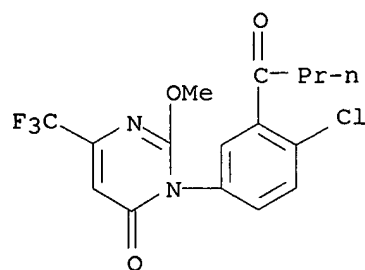


RN 149914-30-7 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione,  
 3-[4-chloro-2-fluoro-5-(1-oxopropyl)phenyl]-1-  
 methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



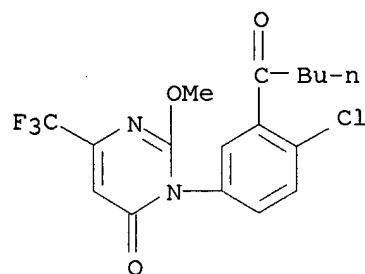
RN 149914-31-8 CAPLUS

CN 4(3H)-Pyrimidinone, 3-[4-chloro-3-(1-oxobutyl)phenyl]-2-methoxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



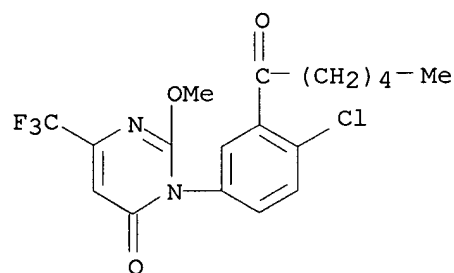
RN 149914-32-9 CAPLUS

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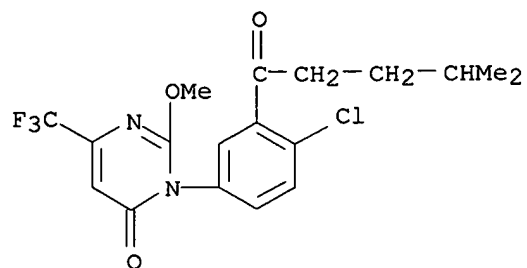
RN 149914-33-0 CAPLUS

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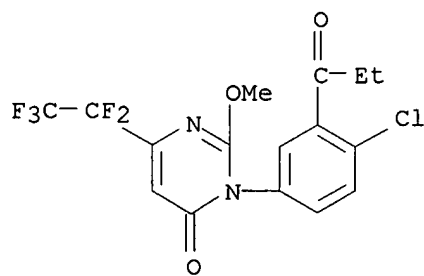
RN 149914-34-1 CAPLUS

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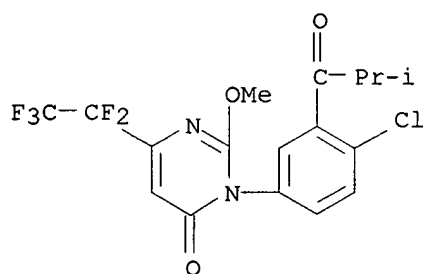
RN 149914-39-6 CAPLUS

CN 4(3H)-Pyrimidinone, 3-[4-chloro-3-(1-oxopropyl)phenyl]-2-methoxy-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



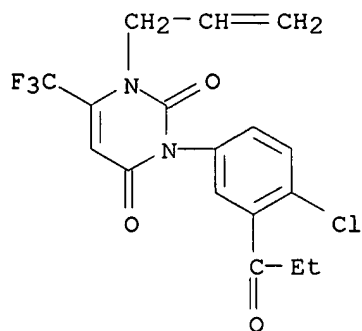
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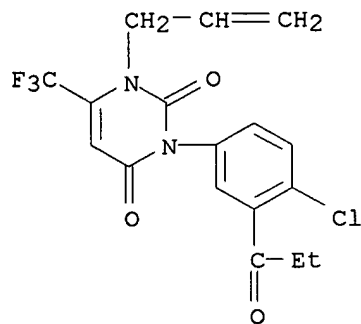
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RN 149914-41-0 CAPLUS

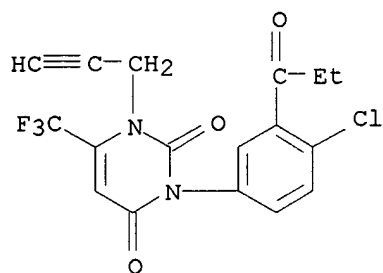
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-oxopropyl)phenyl]-1-(2-propenyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)





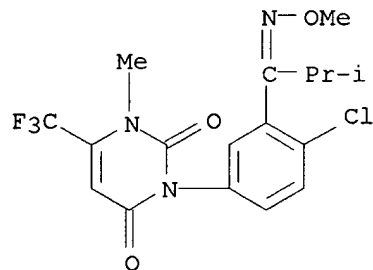
RN 149914-42-1 CAPLUS

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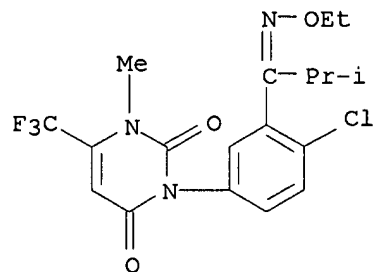
RN 149914-54-5 CAPLUS

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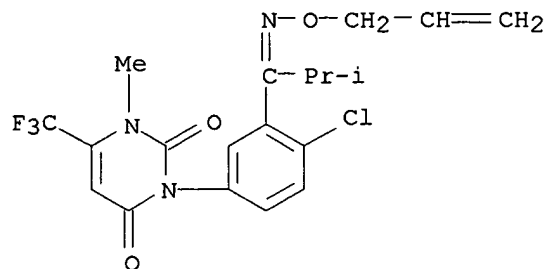


RN 149914-55-6 CAPLUS

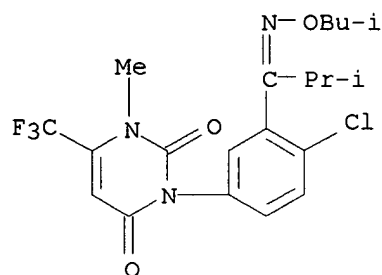
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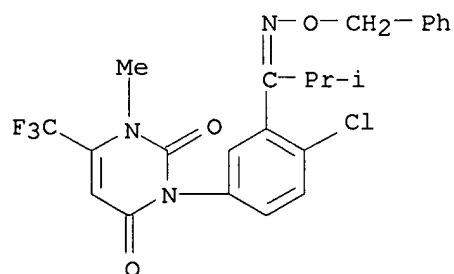
RN 149914-56-7 CAPLUS  
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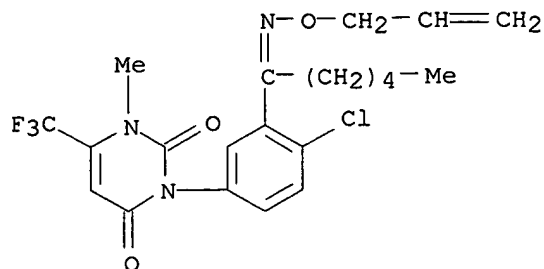
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RN 149914-58-9 CAPLUS  
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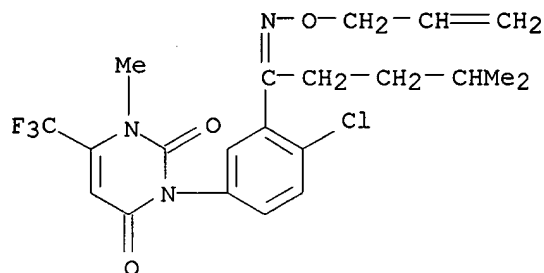


RN 149914-61-4 CAPLUS  
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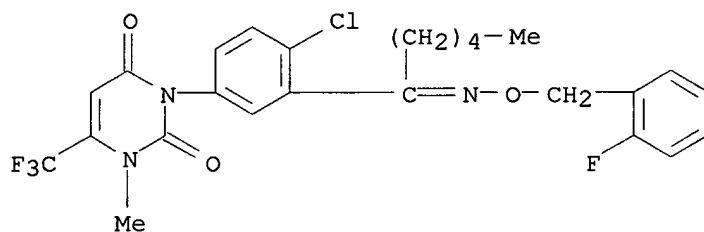
RN 149914-62-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4-methyl-1-[(2-propenyloxy)imino]pentyl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



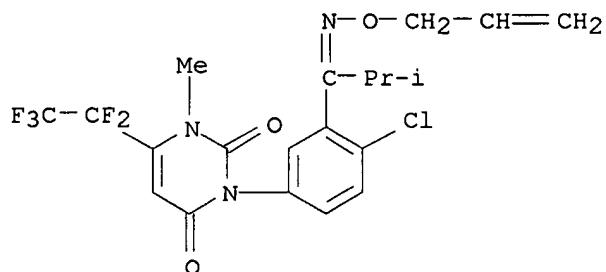
RN 149914-63-6 CAPLUS

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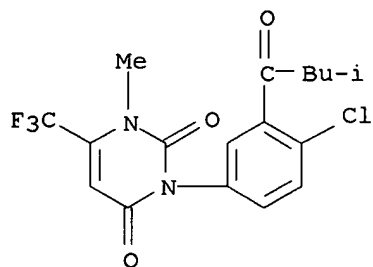


RN 149914-64-7 CAPLUS

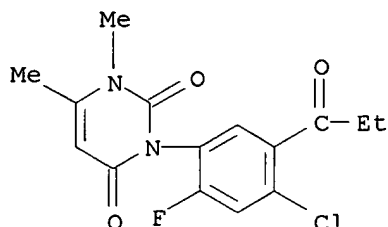
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-methyl-1-[(2-propenyloxy)imino]propyl]phenyl]-1-methyl-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



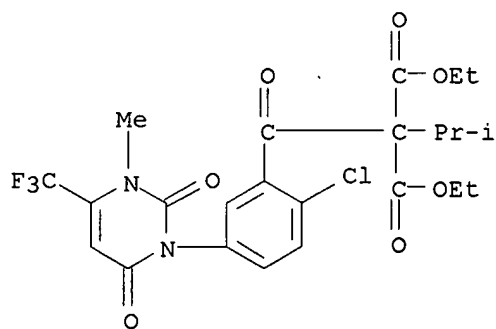
RN 149914-75-0 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(3-methyl-1-oxobutyl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 149914-78-3 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-oxopropyl)phenyl]-1,6-dimethyl- (9CI) (CA INDEX NAME)



IT 149915-18-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of, as intermediate for aryluracil deriv. herbicide)  
 RN 149915-18-4 CAPLUS  
 CN Propanedioic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]benzoyl](1-methylethyl)-, diethyl ester (9CI) (CA INDEX NAME)



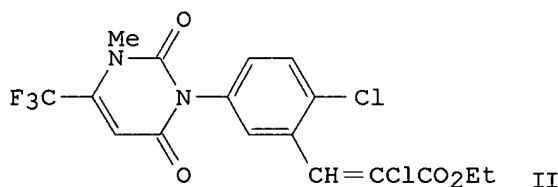
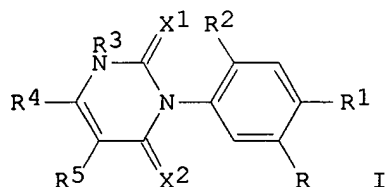
L9 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1993:517271 CAPLUS  
 DOCUMENT NUMBER: 119:117271  
 TITLE: Preparation of 3-phenyluracils as herbicides, defoliants, and insecticides  
 INVENTOR(S): Klintz, Ralf; Schaefer, Peter; Hamprecht, Gerhard; Heistracher, Elisabeth; Wolf, Hans Josef; Westphalen, Karl Otto; Gerber, Matthias; Kardorff, Uwe; Walter,



Helmut; Grossmann, Klaus  
 PATENT ASSIGNEE(S): BASF A.-G., Germany  
 SOURCE: Ger. Offen., 271 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

*Applicant*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4131038	A1	19930401	DE 1991-4131038	19910920
WO 9306090	A1	19930401	WO 1992-EP2088	19920910
W: BR, CA, HU, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
EP 604491	A1	19940706	EP 1992-919190	19920910
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL				
BR 9206518	A	19950425	BR 1992-6518	19920910
HU 70880	A2	19951128	HU 1994-801	19920910
ZA 9207153	A	19940318	ZA 1992-7153	19920918
PRIORITY APPLN. INFO.:			DE 1991-4131038	19910920
			WO 1992-EP2088	19920910
OTHER SOURCE(S):			MARPAT 119:117271	
GI				



AB Title compds. I [R = C(:X<sub>5</sub>)R<sub>8</sub>, C(X<sub>3</sub>R<sub>6</sub>)(X<sub>4</sub>R<sub>7</sub>)R<sub>8</sub>, CR<sub>8</sub>:CR<sub>9</sub>COR<sub>10</sub>, CHR<sub>8</sub>CHR<sub>9</sub>COR<sub>10</sub>, etc.; R<sub>1</sub> = halo, cyano, NO<sub>2</sub>, CF<sub>3</sub>; R<sub>2</sub> = H, halo; R<sub>3</sub> = H, (cyclo)alkyl, alkenyl, alkanoyl, etc.; R<sub>4</sub> = H, halo, (cyclo)alkyl, Ph, etc.; R<sub>5</sub> = H, halo, (cyclo)alkyl, CHO, etc.; R<sub>6</sub>, R<sub>7</sub> = (alkoxy)alkyl, alkenyl, alkynyl, etc.; R<sub>6</sub>R<sub>7</sub> = atoms to complete a ring; R<sub>8</sub> = H, cyano, (halo)alkyl, etc.; R<sub>9</sub> = H, halo, (halo)alkyl, etc.; R<sub>10</sub> = H, OH, alkoxy, etc.; X<sub>1</sub>-X<sub>4</sub> = O, S; X<sub>5</sub> = O, S, (alkyl)imino, etc.] were prepd. Thus, 4,3-Cl(EtO<sub>2</sub>CClC:CH)C<sub>6</sub>H<sub>3</sub>NCO (prepn. given) was cyclocondensed with F<sub>3</sub>CC(NH<sub>2</sub>):CHCO<sub>2</sub>Et to give, after N-methylation, title compd. II which

gave

73% defoliation of cotton plants at 0.10 kg/ha.

IT

**149045-42-1P 149045-45-4P**

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, as defoliant, herbicide, and insecticide)

RN

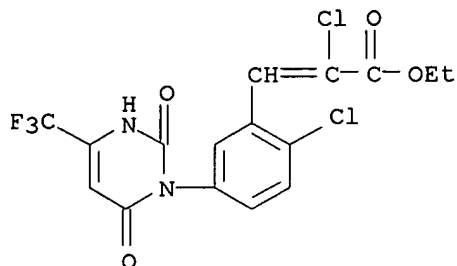
149045-42-1 CAPLUS

CN

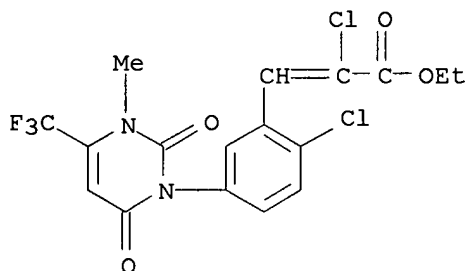
2-Propenoic acid, 2-chloro-3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, ethyl ester (9CI) (CA

INDEX

NAME)

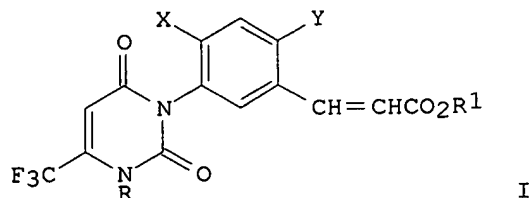


RN 149045-45-4 CAPLUS  
 CN 2-Propenoic acid,  
 2-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-  
 (trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, ethyl ester (9CI) (CA  
 INDEX  
 NAME)



L9 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1991:185539 CAPLUS  
 DOCUMENT NUMBER: 114:185539  
 TITLE: Preparation of  
 m-(2,6-dioxo-4-trifluoromethylpyrimidin-  
 1-yl)cinnamates as herbicides.  
 INVENTOR(S): Brouwer, Walter G.; Felauer, Ethel E.; Bell, Allyn R.  
 PATENT ASSIGNEE(S): Uniroyal Chemical Co., Inc., USA; Uniroyal Chemical  
 Ltd.  
 SOURCE: U.S., 5 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4979982	A	19901225	US 1990-474955	19900202
ZA 9100466	A	19911127	ZA 1991-466	19910122
WO 9111442	A1	19910808	WO 1991-US518	19910124
W: AU, BG, BR, CA, FI, HU, JP, NO, PL, RO, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
AU 9172386	A1	19910821	AU 1991-72386	19910124
CN 1054591	A	19910918	CN 1991-101126	19910201
PRIORITY APPLN. INFO.:			US 1990-474955	19900202
			WO 1991-US518	19910124
OTHER SOURCE(S):			MARPAT 114:185539	
GI				



AB The title compds. I (R = C1-12 alkyl, alkenyl; R1 = C1-12 alkyl and can form a carbocycle; Y, X = H, halo) were prepd. I (X = H; Y = Cl; R = Me; R1 = CHMe2) (II) was prepd. in 6 steps from 2-chloro-5-nitrobenzaldehyde. II at 11.2 kg/ha (preemergence) gave complete control of velvetleaf, jimsonweed, tall morning glory, barnyard grass, switchgrass, etc. Postemergence activity of I was also given.

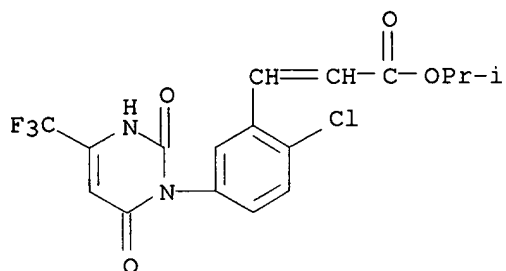
IT **133220-76-5P 133220-90-3P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and reaction of, in prepn. of herbicide)

RN 133220-76-5 CAPLUS

CN 2-Propenoic acid,

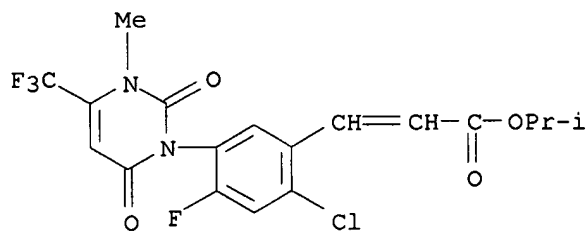
3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, 1-methylethyl ester, sodium salt (9CI) (CA INDEX NAME)



● Na

RN 133220-90-3 CAPLUS

CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, 1-methylethyl ester, sodium salt (9CI) (CA INDEX NAME)



● Na

IT **133220-75-4P 133220-76-5P 133220-77-6P**  
**133220-78-7P 133220-79-8P 133220-80-1P**

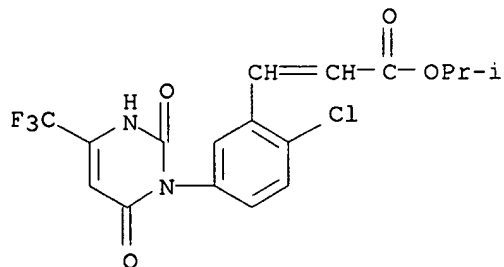
**133220-81-2P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of, as herbicide)

RN 133220-75-4 CAPLUS

CN 2-Propenoic acid,

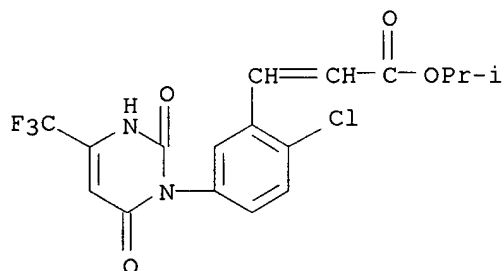
3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



RN 133220-76-5 CAPLUS

CN 2-Propenoic acid,

3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, 1-methylethyl ester, sodium salt (9CI) (CA INDEX NAME)

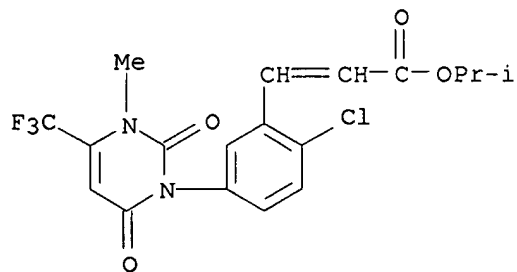


● Na

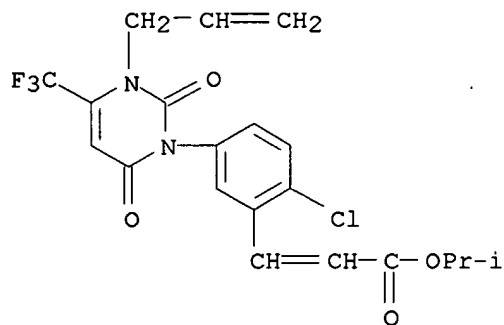
RN 133220-77-6 CAPLUS

CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, 1-methylethyl ester (9CI)

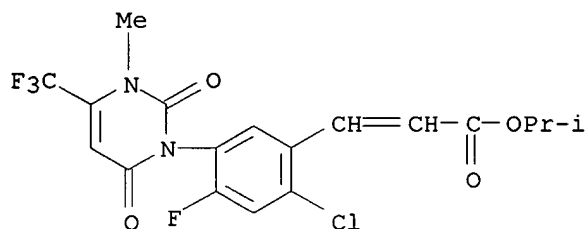
(CA INDEX NAME)



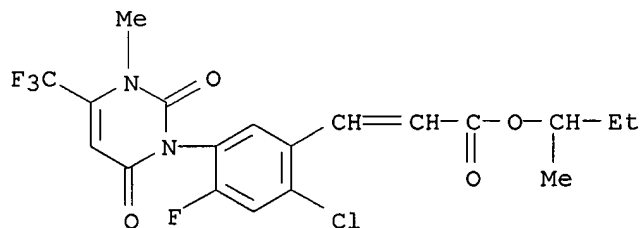
RN 133220-78-7 CAPLUS  
 CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-3-(2-propenyl)-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, 1-methylethyl ester (9CI)  
 (CA INDEX NAME)



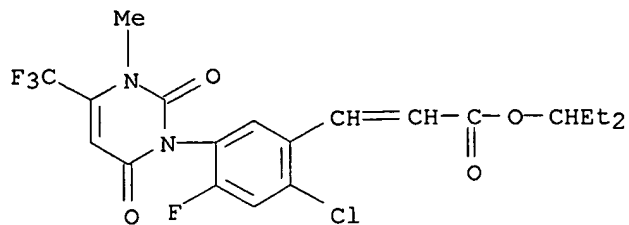
RN 133220-79-8 CAPLUS  
 CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



RN 133220-80-1 CAPLUS  
 CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, 1-methylpropyl ester (9CI) (CA INDEX NAME)



RN 133220-81-2 CAPLUS  
 CN 2-Propenoic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, 1-ethylpropyl ester (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 11:14:54 ON 27 MAR 2001)

FILE 'REGISTRY' ENTERED AT 11:14:59 ON 27 MAR 2001

L1 STRUCTURE UPLOADED  
 L2 QUE L1  
 L3 3 S L1  
 L4 159 S L1 FUL  
 L5 STRUCTURE UPLOADED  
 L6 QUE L5  
 L7 2 S L5  
 L8 101 S L5 FUL SUB=L4

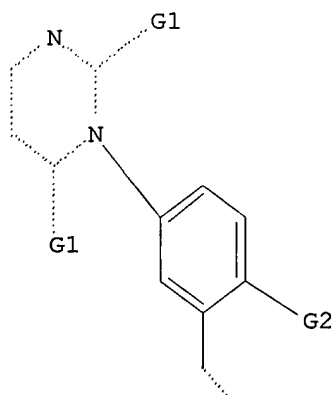
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L9 13 S L8

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L1 HAS NO ANSWERS

L1 STR



G1 O,S

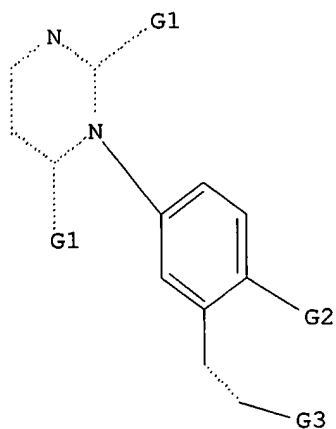
G2 X,CN,CF3,NO2

Structure attributes must be viewed using STN Express query preparation.

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L5 HAS NO ANSWERS

L5 STR



G1 O, S

G2 X, CN, CF3, NO2

G3 C, CN

Structure attributes must be viewed using STN Express query preparation.

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	55.77	223.46
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-7.64	-7.64

STN INTERNATIONAL LOGOFF AT 11:22:26 ON 27 MAR 2001